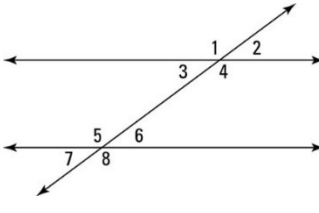
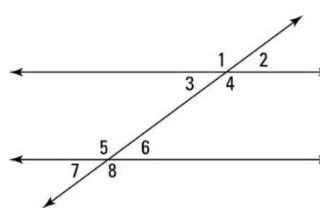
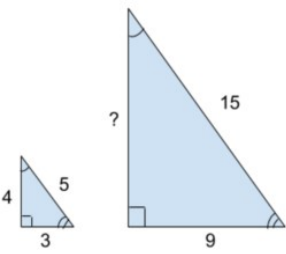
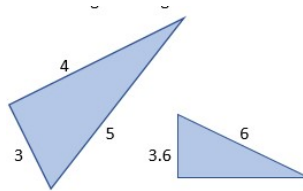
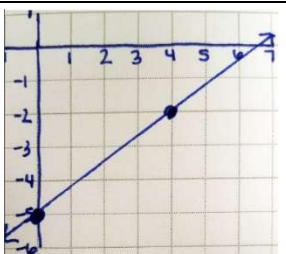
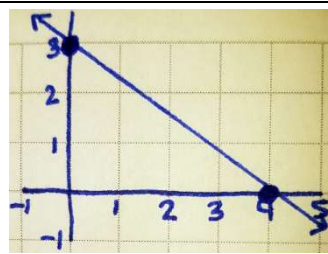
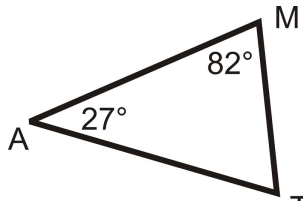




**Directions:** Complete the following problems. Show all of your work. You **MUST** write your answer in the answer blank. Remember to include labels when necessary!

|                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                  |    |    |    |    |   |   |   |    |    |    |    |                                                                                                                                                                                                                                                                                                   |   |   |   |   |   |   |   |   |    |    |    |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|---|---|---|----|----|----|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|
| <p>1) What is the slope of the line through the given points? (3, 3) and (4, 1)</p>                                                                                                                                                                                                               | <p>2) What is the slope of the line through the given points? (1, 6) and (-4, 2)</p>                                                                                             |    |    |    |    |   |   |   |    |    |    |    |                                                                                                                                                                                                                                                                                                   |   |   |   |   |   |   |   |   |    |    |    |    |
| <p>3) If the measure of angle 2 is <math>23^\circ</math>, what is the measure of angle 4?</p>                                                                                                                    | <p>4) If the measure of angle 2 is <math>23^\circ</math>, what is the measure of angle 8?</p>  |    |    |    |    |   |   |   |    |    |    |    |                                                                                                                                                                                                                                                                                                   |   |   |   |   |   |   |   |   |    |    |    |    |
| <p>5) If the triangles are similar, what is the missing side length?</p>                                                                                                                                         | <p>6) If the triangles are similar, what is the missing side length?</p>                       |    |    |    |    |   |   |   |    |    |    |    |                                                                                                                                                                                                                                                                                                   |   |   |   |   |   |   |   |   |    |    |    |    |
| <p>7) What is the value of y if <math>x = 11</math>?</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>x</td> <td>0</td> <td>2</td> <td>4</td> <td>6</td> <td>8</td> </tr> <tr> <td>y</td> <td>3</td> <td>11</td> <td>19</td> <td>27</td> <td>35</td> </tr> </table> | x                                                                                                                                                                                | 0  | 2  | 4  | 6  | 8 | y | 3 | 11 | 19 | 27 | 35 | <p>8) What is the value of x if <math>y = 31</math>?</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>x</td> <td>0</td> <td>2</td> <td>4</td> <td>6</td> <td>8</td> </tr> <tr> <td>y</td> <td>3</td> <td>11</td> <td>19</td> <td>27</td> <td>35</td> </tr> </table> | x | 0 | 2 | 4 | 6 | 8 | y | 3 | 11 | 19 | 27 | 35 |
| x                                                                                                                                                                                                                                                                                                 | 0                                                                                                                                                                                | 2  | 4  | 6  | 8  |   |   |   |    |    |    |    |                                                                                                                                                                                                                                                                                                   |   |   |   |   |   |   |   |   |    |    |    |    |
| y                                                                                                                                                                                                                                                                                                 | 3                                                                                                                                                                                | 11 | 19 | 27 | 35 |   |   |   |    |    |    |    |                                                                                                                                                                                                                                                                                                   |   |   |   |   |   |   |   |   |    |    |    |    |
| x                                                                                                                                                                                                                                                                                                 | 0                                                                                                                                                                                | 2  | 4  | 6  | 8  |   |   |   |    |    |    |    |                                                                                                                                                                                                                                                                                                   |   |   |   |   |   |   |   |   |    |    |    |    |
| y                                                                                                                                                                                                                                                                                                 | 3                                                                                                                                                                                | 11 | 19 | 27 | 35 |   |   |   |    |    |    |    |                                                                                                                                                                                                                                                                                                   |   |   |   |   |   |   |   |   |    |    |    |    |
| <p>9) The graph of a proportional relationship contains the points (5, 11) and (10, 22). Is the point (20, 44) also on the line?</p>                                                                                                                                                              | <p>10) The graph of a proportional relationship contains the points (5, 11) and (10, 22). Is the point (121, 21) also on the line?</p>                                           |    |    |    |    |   |   |   |    |    |    |    |                                                                                                                                                                                                                                                                                                   |   |   |   |   |   |   |   |   |    |    |    |    |
| <p>11) A linear function is modeled with <math>y = 3x + 7</math>. Is the point (4, 6) on the graph of the line? Hint: plug the x and y values into the equation.</p>                                                                                                                              | <p>12) A linear function is modeled with <math>y = 11x - 3</math>. Is the point (-2, -25) on the graph of the line? Hint: plug the x and y values into the equation.</p>         |    |    |    |    |   |   |   |    |    |    |    |                                                                                                                                                                                                                                                                                                   |   |   |   |   |   |   |   |   |    |    |    |    |
| <p>13) What is the slope of the line?</p>                                                                                                                                                                      | <p>14) What is the slope of the line?</p>                                                    |    |    |    |    |   |   |   |    |    |    |    |                                                                                                                                                                                                                                                                                                   |   |   |   |   |   |   |   |   |    |    |    |    |
| <p>15) What is the measure of angle ATM?</p>                                                                                                                                                                   |                                                                                                                                                                                  |    |    |    |    |   |   |   |    |    |    |    |                                                                                                                                                                                                                                                                                                   |   |   |   |   |   |   |   |   |    |    |    |    |

**Answers**

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_

4) \_\_\_\_\_

5) \_\_\_\_\_

6) \_\_\_\_\_

7) \_\_\_\_\_

8) \_\_\_\_\_

9) \_\_\_\_\_

10) \_\_\_\_\_

11) \_\_\_\_\_

12) \_\_\_\_\_

13) \_\_\_\_\_

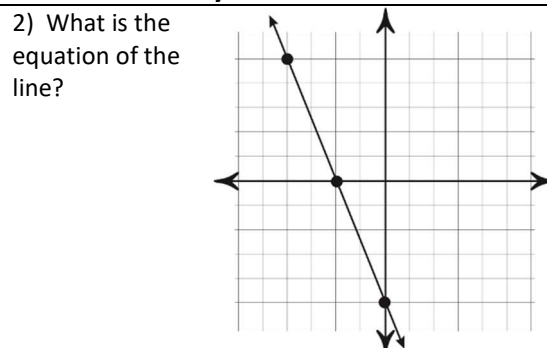
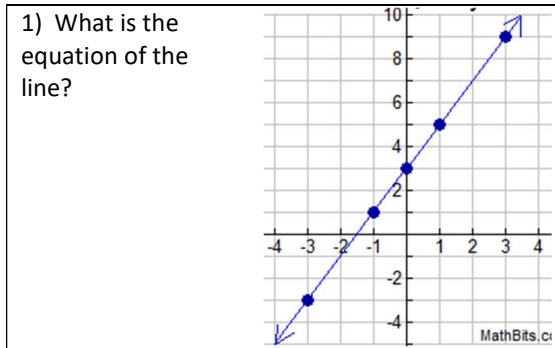
14) \_\_\_\_\_

15) GRID RESPONSE

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   |   |   |   |   |   |
| - | / | / | / | / |   |
| . | . | . | . | . |   |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 |



**Directions:** Complete the following problems. Show all of your work. You MUST write your answer in the answer blank. Remember to include labels when necessary!



3) What is the rate of change (slope) as seen in the table?

|   |   |    |    |    |    |
|---|---|----|----|----|----|
| x | 0 | 2  | 4  | 6  | 8  |
| y | 3 | 11 | 19 | 27 | 35 |

4) What is the rate of change (slope) as seen in the table?

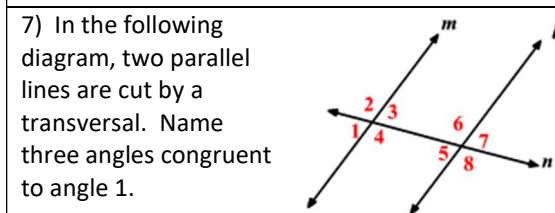
|   |     |     |     |     |     |
|---|-----|-----|-----|-----|-----|
| x | 4   | 5   | 6   | 7   | 8   |
| y | -10 | -13 | -16 | -19 | -22 |

5) If  $x = 4$ , what is  $y$ ?

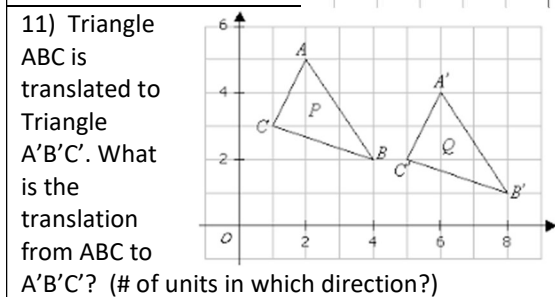
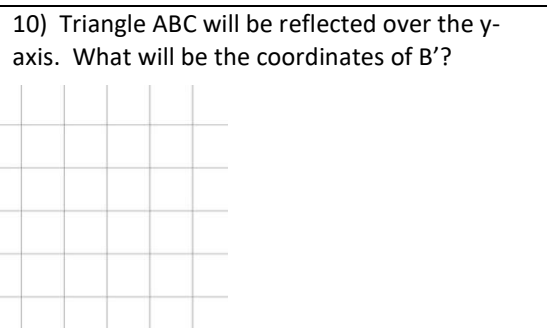
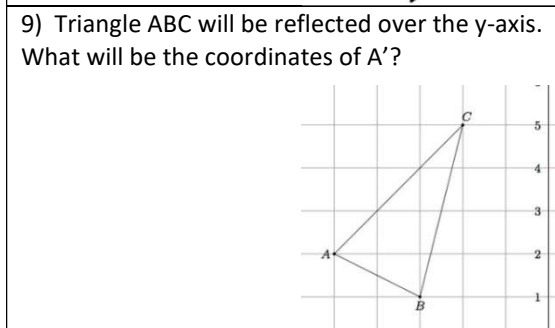
|   |    |      |    |      |    |
|---|----|------|----|------|----|
| x | -2 | -1   | 0  | 1    | 2  |
| y | -8 | -6.5 | -5 | -3.5 | -2 |

6) If  $y = 4$ , what is  $x$ ?

|   |    |      |    |      |    |
|---|----|------|----|------|----|
| x | -2 | -1   | 0  | 1    | 2  |
| y | -8 | -6.5 | -5 | -3.5 | -2 |



- 8) Using the diagram for question 7, which statement is true?
- A. angle 1  $\cong$  angle 4
  - B. angle 3  $\cong$  angle 4
  - C. angle 2  $\cong$  angle 7
  - D. angle 3  $\cong$  angle 5



12) Simplify:  $30 \div (-5) + 4 \times (-2) + 14$

13) Simplify:  $12 + (4 - 20) - (-6)$

13) Simplify:  $30 \div (-5) + 4 \times (-2) + 14$

14) Simplify:  $12 + (4 - 20) - (-6)$

15) Simplify:  $(6 - 9) \times 10 \div (-3)$

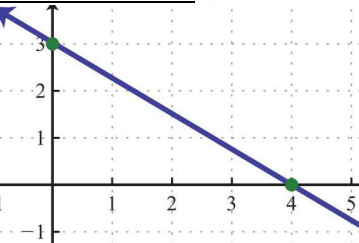
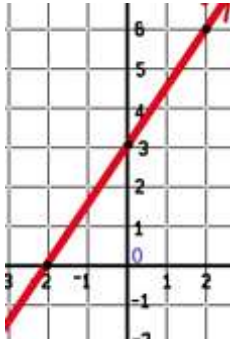
**Answers**

- 1) \_\_\_\_\_
- 2) \_\_\_\_\_
- 3) \_\_\_\_\_
- 4) \_\_\_\_\_
- 5) \_\_\_\_\_
- 6) \_\_\_\_\_
- 7) \_\_\_\_\_
- 8) \_\_\_\_\_
- 9) \_\_\_\_\_
- 10) \_\_\_\_\_
- 11) \_\_\_\_\_
- 12) \_\_\_\_\_
- 13) \_\_\_\_\_
- 14) \_\_\_\_\_

15) GRID RESPONSE

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   |   |   |   |   |   |
| - | / | / | / | / |   |
| . | . | . | . | . | . |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 |

**Directions:** Complete the following problems. Show all of your work. You **MUST** write your answer in the answer blank.

| 1) What is the slope of the line through the given points? (6, 1) and (-4, -2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2) What is the slope of the line through the given points? (-9, -2) and (-7, -1)    |   |   |   |   |   |    |   |    |   |    |   |    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|---|---|---|---|----|---|----|---|----|---|----|
| 3) What is the value of y if x = -2?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4) What is the value of x if y = 51?                                                |   |   |   |   |   |    |   |    |   |    |   |    |
| <table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">x</th> <th style="padding: 5px;">y</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">0</td> <td style="text-align: center; padding: 5px;">3</td> </tr> <tr> <td style="text-align: center; padding: 5px;">2</td> <td style="text-align: center; padding: 5px;">11</td> </tr> <tr> <td style="text-align: center; padding: 5px;">4</td> <td style="text-align: center; padding: 5px;">19</td> </tr> <tr> <td style="text-align: center; padding: 5px;">6</td> <td style="text-align: center; padding: 5px;">27</td> </tr> <tr> <td style="text-align: center; padding: 5px;">8</td> <td style="text-align: center; padding: 5px;">35</td> </tr> </tbody> </table> |                                                                                     | x | y | 0 | 3 | 2 | 11 | 4 | 19 | 6 | 27 | 8 | 35 |
| x                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | y                                                                                   |   |   |   |   |   |    |   |    |   |    |   |    |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                                                                                   |   |   |   |   |   |    |   |    |   |    |   |    |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 11                                                                                  |   |   |   |   |   |    |   |    |   |    |   |    |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 19                                                                                  |   |   |   |   |   |    |   |    |   |    |   |    |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 27                                                                                  |   |   |   |   |   |    |   |    |   |    |   |    |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 35                                                                                  |   |   |   |   |   |    |   |    |   |    |   |    |
| 5) What is the equation of the line?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6) What is the equation of the line?                                                |   |   |   |   |   |    |   |    |   |    |   |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |   |   |   |   |   |    |   |    |   |    |   |    |
| 7) Solve: $2(4x + 3) = 38$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8) Solve: $2x - 8 = 16$                                                             |   |   |   |   |   |    |   |    |   |    |   |    |
| 9) Solve: $\frac{x}{3} + 2 = 5$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10) Solve: $2n + 3n + 7 = -41$                                                      |   |   |   |   |   |    |   |    |   |    |   |    |
| 11) Solve: $5a + 2 = 7$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 12) True or False:<br>16 is a solution to: $m - 8 = 14$                             |   |   |   |   |   |    |   |    |   |    |   |    |
| 13) True or False: $m = 4$ is a solution to the following equation.<br>$4(m + 3) = 12$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 14) True or False:<br>$x = 4$ is a solution to: $y = 2x + 7$                        |   |   |   |   |   |    |   |    |   |    |   |    |
| 15) Solve $\frac{m}{9} + 7 = 3$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                     |   |   |   |   |   |    |   |    |   |    |   |    |

**Answers**

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_

4) \_\_\_\_\_

5) \_\_\_\_\_

6) \_\_\_\_\_

7) \_\_\_\_\_

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10) \_\_\_\_\_

11) \_\_\_\_\_

12) \_\_\_\_\_

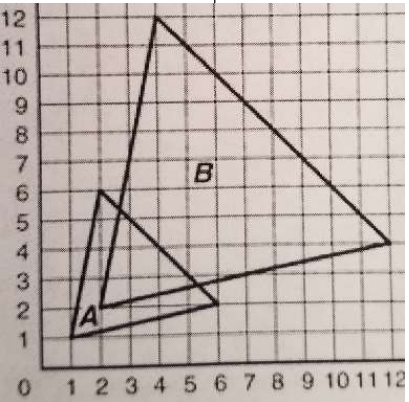
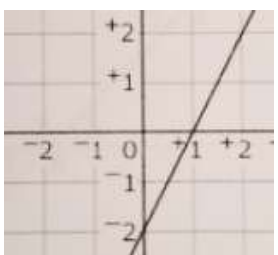
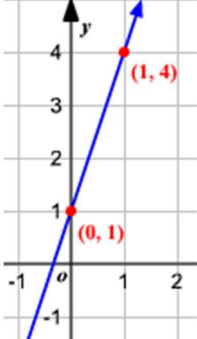
13) \_\_\_\_\_

14) \_\_\_\_\_

15) GRID RESPONSE

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   |   |   |   |   |   |
| 0 | 1 | 2 | 3 | 4 |   |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 |

**Directions:** Complete the following problems. Show all of your work. You MUST write your answer in the answer blank. Remember to include labels when necessary!

|                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1) During a science experiment, the temperature of a liquid in a beaker started at 8°C and dropped 0.8°C every 2 minutes. Which function models the temperature of the liquid, <math>y</math>, after <math>x</math> minutes?</p> <p>A. <math>y = 2.5x - 8</math>    B. <math>y = 0.5x - 8</math><br/>C. <math>y = 8 - 0.4x</math>    D. <math>y = 8 - 2.5x</math></p> | <p>2) Minli's house is located 1.4 miles from her school. When she walks home from school, it takes her an average of 20 minutes. Assuming that Minli walks at a constant rate, which function models Minli's distance from home, <math>y</math>, after <math>x</math> minutes?</p> <p>A. <math>y = 1.4 - 0.07x</math>    B. <math>y = 1.4 - 20x</math><br/>C. <math>y = 0.07x - 1.4</math>    D. <math>y = 20x - 1.4</math></p> |
| <p>3) What dilation technique is used to generate Figure B from Figure A?</p> <p>A. by a scale factor of .5<br/>B. by a scale factor of 1.5<br/>C. by a scale factor of 2<br/>D. by a scale factor of 2.5</p>                                                                          | <p>4) What dilation technique is used to generate Figure A from Figure B?</p> <p>A. by a scale factor of .5<br/>B. by a scale factor of 1.5<br/>C. by a scale factor of 2<br/>D. by a scale factor of 2.5</p>                                                                                                                                                                                                                    |
| <p>5) Which is the equation of the line on the graph?</p> <p>A. <math>y = 2x + 1</math><br/>B. <math>y = 2x - 2</math><br/>C. <math>y = x + 1</math><br/>D. <math>y = x - 2</math></p>                                                                                                | <p>6) What is the equation of the line on the graph?</p>                                                                                                                                                                                                                                                                                     |
| <p>7) What is the slope of the line through the given points? <math>(-7, 1)</math> and <math>(5, 2)</math></p>                                                                                                                                                                                                                                                           | <p>8) What is the slope of the line through the given points? <math>(6, -8)</math> and <math>(0, -4)</math></p>                                                                                                                                                                                                                                                                                                                  |
| <p>9) Solve: <math>4x - 15 = 17 - 4x</math></p>                                                                                                                                                                                                                                                                                                                          | <p>10) Solve: <math>-5n - 8(1 + 7n) = -8</math></p>                                                                                                                                                                                                                                                                                                                                                                              |
| <p>11) Solve: <math>18 = \frac{c+5}{2}</math></p>                                                                                                                                                                                                                                                                                                                        | <p>12) Solve: <math>-3x + 4 = 16</math></p>                                                                                                                                                                                                                                                                                                                                                                                      |
| <p>13) Solve: <math>-8(1 + 4n) + 4(n - 8) = -12</math></p>                                                                                                                                                                                                                                                                                                               | <p>14) Solve: <math>-158 = 2 - 5(-8 - 8k)</math></p>                                                                                                                                                                                                                                                                                                                                                                             |
| <p>15) What is the slope of the line through the given points? <math>(5, 1)</math> and <math>(-6, -9)</math></p>                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**Answers**

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_

4) \_\_\_\_\_

5) \_\_\_\_\_

6) \_\_\_\_\_

7) \_\_\_\_\_

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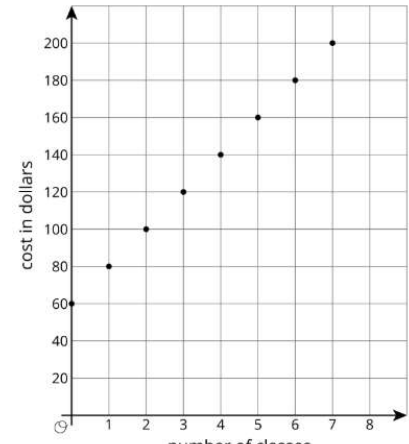
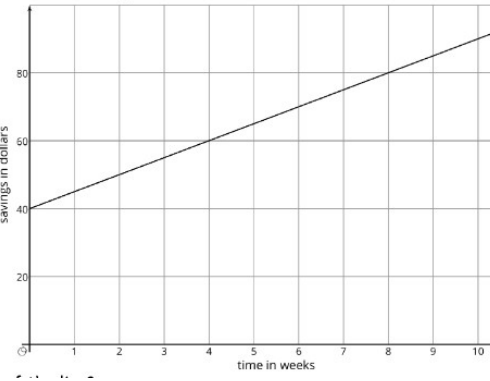
13) \_\_\_\_\_

14) \_\_\_\_\_

15) GRID RESPONSE

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   |   |   |   |   |   |
| 0 | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 0 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 |

**Directions:** Complete the following problems. Show all of your work. You MUST write your answer in the answer blank.

|                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1) What is the slope of the line through the given points? <math>(-5, 7)</math> and <math>(6, -2)</math></p>                                                                                                                                                                                                                                                                                                                | <p>2) What is the slope of the line through the given points? <math>(8, 4)</math> and <math>(-9, -3)</math></p>                                                                                                                                                                                                                                                                                            |
| <p>3) Use the following graph for #3, 5, and 7:</p>  <p>What is the slope?</p>                                                                                                                                                                                                                                                                | <p>4) Use the following graph for #4, 6, and 8:</p>  <p>What is the slope?</p>                                                                                                                                                                                                                                           |
| <p>5) Using the graph in #3, what is the y-intercept?</p>                                                                                                                                                                                                                                                                                                                                                                      | <p>6) Using the graph in #4, what is the y-intercept?</p>                                                                                                                                                                                                                                                                                                                                                  |
| <p>7) Using the graph in #3, what is the equation of the line that would pass through the points?</p>                                                                                                                                                                                                                                                                                                                          | <p>8) Using the graph in #4, what is the equation of the line?</p>                                                                                                                                                                                                                                                                                                                                         |
| <p>9) Students are selling raffle tickets (<math>x</math>) for a school fundraiser. They have already collected \$500 plus they will collect \$24 for every 10 raffle tickets they sell. Which equation models the amount of money they will have collected (<math>y</math>)?</p> <p>a. <math>y = 24x + 500</math><br/>b. <math>y = 2.4x + 500</math><br/>c. <math>y = 500x + 24</math><br/>d. <math>y = 500x + 2.4</math></p> | <p>10) Priya is tracking the number of steps she walks. She know that she can walk 6000 steps in 50 minutes and she has already walked 1500 steps. Which equation models the number of steps she takes (<math>y</math>) in <math>x</math> minutes?</p> <p>a. <math>y = 120x + 1500</math><br/>b. <math>y = 6000x + 1500</math><br/>c. <math>y = 50x + 1500</math><br/>d. <math>y = 1500x + 6000</math></p> |
| <p>11) What is the first step in solving the following equation?<br/><math>5 + 2(n - 3) = 7n</math></p> <p>a. Subtract 5 from both sides<br/>b. Add 3 to both sides<br/>c. Divide by 2 on both sides<br/>d. Distribute the 2 to the parenthesis</p>                                                                                                                                                                            | <p>12) What is the first step in solving the following equation?:<br/><math>5(r + 3) = 2r + 6</math></p> <p>a. Subtract 5 from both sides<br/>b. Subtract 3 from both sides<br/>c. Subtract <math>2r</math> from both sides<br/>d. Distribute the 5 to the parenthesis</p>                                                                                                                                 |
| <p>13) Solve for <math>f</math>: <math>8f - 12 = 5f + 12</math></p>                                                                                                                                                                                                                                                                                                                                                            | <p>14) Solve for <math>a</math>: <math>2(3a + 2) - 4 = -8 + 2a</math></p>                                                                                                                                                                                                                                                                                                                                  |
| <p>15) Solve for <math>x</math>: <math>5(x + 1) + 30 = 2(x + 10)</math></p>                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                            |

**Answers**

- 1) \_\_\_\_\_
- 2) \_\_\_\_\_
- 3) \_\_\_\_\_
- 4) \_\_\_\_\_
- 5) \_\_\_\_\_
- 6) \_\_\_\_\_
- 7) \_\_\_\_\_
- 8) \_\_\_\_\_
- 9) \_\_\_\_\_
- 10) \_\_\_\_\_
- 11) \_\_\_\_\_
- 12) \_\_\_\_\_
- 13) \_\_\_\_\_
- 14) \_\_\_\_\_
- 15) GRID RESPONSE

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   |   |   |   |   |   |
| - | / | / | / | / |   |
| . | . | . | . | . |   |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 |