

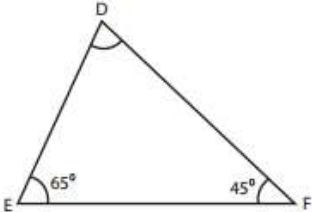
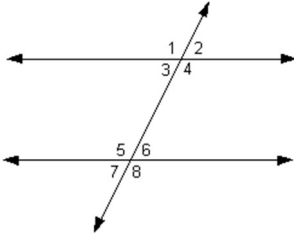


Directions: Complete the following problems. Show all of your work. You MUST write your answer in the answer blank. Remember to include labels when necessary!

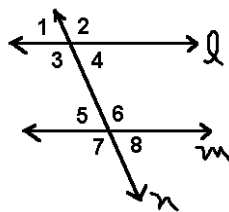
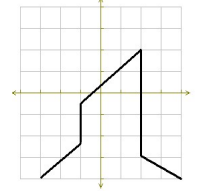
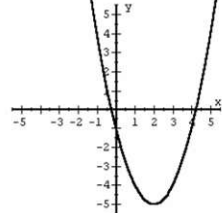
1) Solve: $-5(x + 2) > 15$	2) Solve: $4(3 - x) - 3(4 - x) > -15$
3) What inequality is shown below? 	4) What inequality is shown below? 
5) When Derek planted a tree it was 36 inches tall. The tree grew 2.75 inches per year. The tree is now 110.25 inches tall. How many years ago did Derek plant the tree?	6) Amanda bought a computer for \$56.94 more than twice what her brother paid for a TV. She paid \$314.02 for the computer. What did her brother pay for the TV?
7) A hat, H, and a scarf, S, cost \$20.00. The hat costs \$2.00 more than the scarf. How much does the scarf cost?	8) Simplify by combining like terms: $6a + 3b - 2a + 4 - b$
9) Solve: $-4x + 3(2x - 5) = 31$	10) True or False: $p = -9$ is a solution to the following equation. $6p - 2p = -36$
11) Find the measure of angle D. 	12) If angles 2 measure 52 degrees, what is the measure of angle 8? 
13) Mrs. Otten wants to buy a bouquet of yellow roses and baby's breath for \$16. The baby's breath costs \$3.50 per bunch and the roses cost \$2.50 each. Mrs. Otten wants one bunch of baby's breath and some roses for her bouquet. How many roses can she buy?	14) Solve for x. $6x = \frac{8x - 12}{4}$
15) Solve: $7(t - 4) - 2t = 4(t - 3)$	

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. Remember to include labels when necessary!

<p>1) Solve the following system of equations. Write your answer as an ordered pair.</p> $5x + 4y = 1$ $y = 1 - x$	<p>2) What is the solution of the system of equations? Write your answer as an ordered pair.</p> $y = -2x + 6$ $y = \frac{5}{3}x - 5$
<p>3) In which choice is y a function of x? A (1, 3), (3, 4), (4, 5), (5, 6) B (2, 0), (2, 3), (4, 5), (6, 7) C (2, 5), (4, 8), (6, 10), (2, 12) D (6, 2), (4, 1), (6, 8), (8, 10)</p>	<p>4) In which set of points is y a function of x? A {(2, 4), (4, 16), (5, 25), (6, 36)} B {(4, 2), (4, -2), (16, 4), (16, -4)} C {(2, 1), (2, 0), (1, -1), (3, 1)} D {(2, 3), (1, 3), (0, 3), (0, 2)}</p>
<p>5) In triangle ABC, the measure of angle A is 115 and the measure of angle B is 26. Find the measure of angle C.</p>	<p>6) In triangle ABC, the measure of angle A is 35 and the measure of angle B is 67. Find the measure of angle C.</p>
<p>7) Write an expression for the following phrase: 8 less than the product of 2 and x</p>	<p>8) Keisha is conditioning for the track team. On the first day, she ran 5 laps around the track. The second day she ran 6 laps. The third day she ran 8, and on the fourth day she ran 11. To continue this pattern, how many laps should she run on the seventh day?</p>
<p>9) If the measure of angle 4 is 67°, what is the measure of angle 6?</p> 	<p>10) Use the diagram for #9 for assistance. If the measure of angle 5 is $3x - 10^\circ$ and the measure of angle 8 is $2x + 15^\circ$, find the value of x.</p>
<p>11) Yes or No: Is the following a function?</p> 	<p>12) Yes or No: Is the following a function?</p> 
<p>13) The journalism class makes \$25 per page of advertising in the yearbook. If the class sold 6 pages of advertising. How much money did the class make?</p>	<p>14) I am thinking of a number. If I multiply it by 7 and add 23, the result is 107. What is the number?</p>
<p>15) The perimeter of a pool table is 30 ft. The table is twice as long as it is wide. What is the length of the pool table?</p>	

Answers

1) _____

2) _____

3) _____

4) _____

5) _____

6) _____

7) _____

8) _____

9) _____

10) _____

11) _____

12) _____

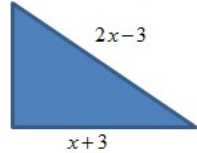
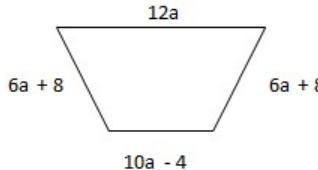
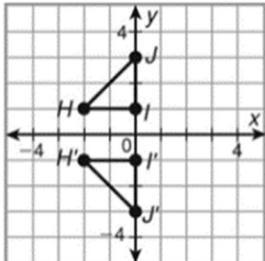
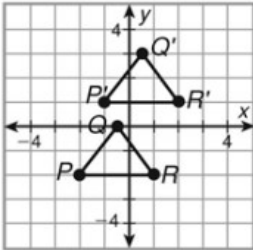
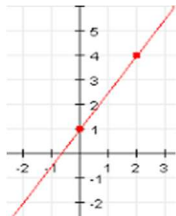
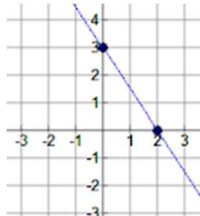
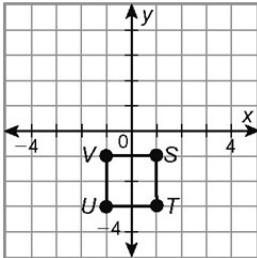
13) _____

14) _____

15) GRID RESPONSE

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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) The perimeter is 36. What does x have to be?</p> 	<p>2) If the perimeter is 114 cm, how long is the longest side?</p> 
<p>3) Jim gets a \$20 allowance per week plus \$25 for every lawn he mows. If he made \$345 in one week, how many lawns did he mow?</p>	<p>4) Jon has to pay a fix-it man \$60 to come to his house and \$30 per hour after that. How many hours did the fix-it man work if Jon paid him \$390?</p>
<p>5) Solve: $2x - 53 = 11$</p>	<p>6) Solve: $-2 - \frac{5}{4}x = 13$</p>
<p>7) Solve: $7 - 3x = 2x + 7 - 5x$</p>	<p>8) Solve: $-19x - 1 = -12x + 34$</p>
<p>9) Is the following a rotation, reflection or translation?</p> 	<p>10) Is the following a rotation, reflection or translation?</p> 
<p>11) What is the slope?</p> 	<p>12) What is the slope?</p> 
<p>13) What is the slope? (-1,2) and (-2,5)</p>	<p>14) What is the slope? (-2,-2) and (4,3)</p>
<p>15) Reflect the figure across the x-axis. Draw on the final figure on answer side. Don't forget to label your vertices.</p> 	

<u>Answers</u>	
1) _____	
2) _____	
3) _____	
4) _____	
5) _____	
6) _____	
7) _____	
8) _____	
9) _____	
10) _____	
11) _____	
12) _____	
13) _____	
14) _____	
15) _____	

