Spiral 1/31

Name: \_\_\_\_\_

Period:

Math 8

answer blank. Remember to include labels	when necessary!	
1) What is the	2) What is the +5	Answers
equation of the	equation of the	
line?	line? +3	1)
4 -3 -2 -1 0 +1 +2 +3 +4	*2	2)
	4 -3 -2 -1 +1 +2 +3 +4 +	3)
2) Ma lance determined that the equation		4)
3) Mr. Jones determined that the equation $y = 98 - \frac{16}{5}x$ could be used to predict his	<ol> <li>The value in dollars, y, of a car x years after it was purchased can be modeled by</li> </ol>	5)
students' test scores, based on the number of days, x, a student was absent during the unit. What	the function y = 14,000 – 875x. What is the meaning of the y-intercept?	6)
is the meaning of the y-intercept of the function?	A) The initial value of the car is \$14,000.	
A) A student who was not absent during the unit should score about 98.	B) The average value of the car is \$14,000.	7)
<ul><li>B) A student who was not absent during the unit should score about 94.5.</li><li>C) A student's test score should increase by about</li></ul>	C) The car's value decreases by \$875 each year after it was purchased.	8)
3.2 points for each day the student is absent.	D) The car's value decreases by \$16 each year after it was purchased.	9)
5) Solve for x. $0.25x + 7 = 4(x - 2)$	6) Solve. $12(x-2) + 3x = \frac{1}{2}(x+6) + 2$	10)
7) What is the rate of change of the linear	8) What is the slope of the line that passes	11)
function that has a graph that passes through the points (2, 9) and (-1, 3)?	through the points (2, 3) and (8, 6)?	12)
9) Solve the system of equations. Remember	10) Solve the system of equations. Write	
to write your answer as an ordered pair.	write your answer as an ordered pair.	13)
$\int y = 2x + 2$	(y = 2x + 1)	
$\begin{cases} y = x - 1 \end{cases}$	y = -x + 7	14)
11) Solve the system of equations.	12) $\triangle$ XYZ with vertices X(1, 1), Y(3, 5), and	
Remember to write your answer as an	Z(5, 1) will be rotated 180° about the origin.	15) GRID RESPONSE
ordered pair.	What will be the coordinates of Y'?	
(y = -x + 3)	A (-5, 3) B (-3, -5)	
$\begin{cases} x - 2y = 0 \end{cases}$	C (5, -3) D (5, 3)	
13) Triangle LMN will be	14) A car rental company charges \$34 per day	$\Theta O O O O$
dilated with by a scale	for a rented car and \$0.50 for every mile	
factor of ½. What will be	driven. A second car rental company charges	
the coordinates of L'M'N'?	\$20 per day and \$0.75 for every mile driven.	
A $L'(-6, -8), M'(6, 8),$	What is the number of miles at which both	
N'(6, 1)	companies charge the same amount for a	
B L'(-3, 2), M'(3, 2), N'(3, 0.5)	one-day rental?	
C L'(-1.5, 2), M'(1.5, 2), N'(1.5, 0.5)	A 56 miles B 54 miles	
D L'(-1, 2), M'(1, 2), N'(1, 1)	C 36 miles D 24 miles	<u>ŏŏŏŏŏŏ</u>
15) Parallel lines P and Q are cut by transversal		<u>ŏŏŏŏŏŏ</u>
of x?	$(2x + 40)^{\circ}$	<u>ÖÖÖÖÖÖ</u>
	(3 <i>x</i> - 85)°	L

Spiral 2/14 Math 8

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1) Solve: -5( <i>x</i> + 2) > 15	2) Solve: 4(3 - x) - 3(4 - x) > -15	Answers
		1)
3) What inequality is shown below?	4) What inequality is shown below?	2)
-8 -6 -4 -2 0 2 4 6 8		3)
5) When Derek planted a tree it was 36 inches tall. The tree grew 2.75 inches	6) Amanda bought a computer for \$56.94 more than twice what her	4)
per year. The tree is now 110.25 inches	brother paid for a TV. She paid \$314.02	5)
tall. How many years ago did Derek plant the tree?	for the computer. What did her brother pay for the TV?	6)
7) A hat, H, and a scarf, S, cost \$20.00. The hat costs \$2.00 more than the	8) Simplify by combining like terms: 6a + 3b - 2a + 4 - b	7)
scarf. How much does the scarf cost?		8)
9) Solve: -4x + 3(2x - 5) = 31	10) True or False: $p = -9$ is a solution to the following equation 6p - 2p = -36	9)
11) Find the measure of angle D.	12) If angles 2 measure 52 degrees, what is the measure of angle 8?	10) 11)
	1/2	12) 13)
E 65° 45° F		14)
	*	15) GRID RESPONSE
<ul><li>13) Mrs. Otten wants to buy a bouquet of yellow roses and baby's breath for \$16.</li><li>The baby's breath costs \$3.50 per bunch</li></ul>	14) Solve for x.	
and the roses cost \$2.50 per building wants one bunch of baby's breath and some roses for her bouquet. How many	$6x = \frac{8x - 12}{4}$	
roses can she buy? 15) Solve:		
	2t = 4(t - 3)	000000 0000000000000000000000000000000

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Name:	
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1) Solve the following system of	2) What is the solution of the system of	Answers
equations. Write your answer as an	equations? Write your answer as an	
ordered pair.	ordered pair.	1)
5x + 4y = 1	y = -2x + 6	2)
y = 1 - x	$y = \frac{5}{2}x - 5$	2)
3) In which choice is y a function of x?	4) In which set of points is y a function	3)
A (1, 3), (3, 4), (4, 5), (5, 6)	of x?	-,
B (2, 0), (2, 3), (4, 5), (6, 7)	A {(2, 4), (4, 16), (5, 25), (6, 36)}	4)
C (2, 5), (4, 8), (6, 10), (2, 12)	B {(4, 2), (4, -2), (16, 4), (16, -4)}	
D (6, 2), (4, 1), (6, 8), (8, 10)	$C \{(2, 1), (2, 0), (1, -1), (3, 1)\}$	5)
	D {(2, 3), (1, 3), (0, 3), (0, 2)}	
5) In triangle ABC, the measure of	6) In triangle ABC, the measure of	6)
angle A is 115 and the measure of angle	angle A is 35 and the measure of angle	7)
B is 26. Find the measure of angle C.	B is 67. Find the measure of angle C.	7)
<ul><li>7) Write an expression for the following</li></ul>	8) Keisha is conditioning for the track	8)
phrase:	team. On the first day, she ran 5 laps	
8 less than the product of 2 and x	around the track. The second day she	9)
	ran 6 laps. The third day she ran 8, and	
	on the fourth day she ran 11. To	10)
	continue this pattern, how many laps	
	should she run on the seventh day?	11)
9) If the measure of 1 2	10) Use the diagram for #9 for	12)
angle 4 is 67°, what $434$	assistance. If the measure of angle 5 is	12)
is the measure of	$3x - 10^{\circ}$ and the measure of angle 8 is	13)
angle 6? $5^{6}$	$2x + 15^{\circ}$ , find the value of x.	
		14)
$\mathbf{v}_{\mathbf{n}}$		
11) Yes or No: Is the	12) Yes or No: Is $\sqrt{s+\frac{y}{4+1}}$	15) GRID RESPONSE
following a function?	the following a	
	function?	
	-5 $-3$ $-2$ $-1$ $1$ $2$ $3$ $-5$	
	-2	
*	-4 -5 -5 -5	
13) The journalism class makes \$25 per	14) I am thinking of a number. If I multiply	
page of advertising in the yearbook. If the	it by 7 and add 23, the result is 107. What	
class sold 6 pages of advertising. How	is the number?	
much money did the class make?		
15) The perimeter of a pool table is 30 ft Th	ne table is twice as long as it is wide. What is	
the length of the pool table?		000000
		<u> [9]9]9]9]9]</u>

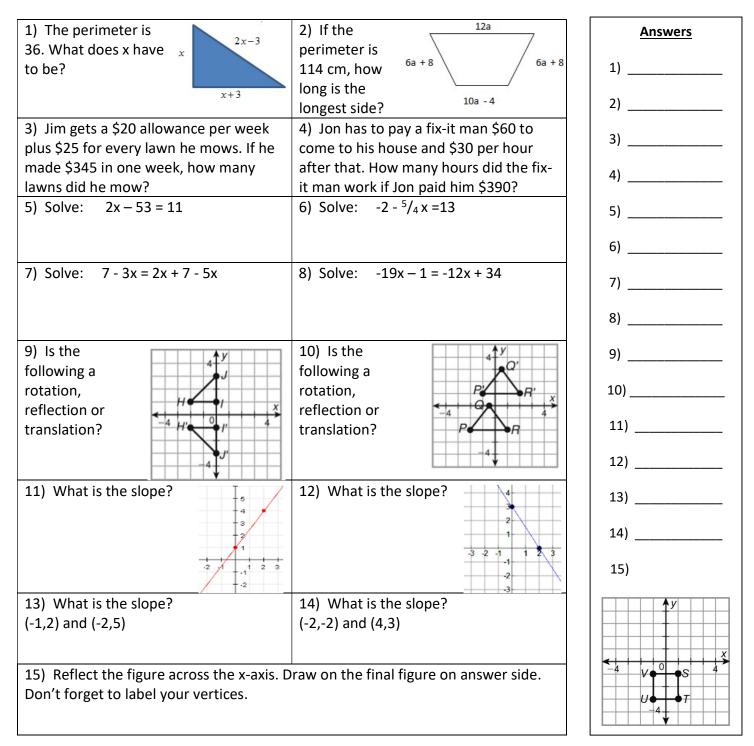
Spiral 2/28 Math 8

Name:	
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nswer blank. Remember to include labe		<u>Answers</u>
1) Solve: 2(4x + 3) = 38	2) Solve $-4d + 2(3 + d) = -14$	1)
3) Solve for x: 6(x-7) + 5x - 3(2x+4) = -(4x-9)	4) Belle is planning a party for 70 guests, including herself. She has two rectangular tables, each seating 8 people. The round tables have room for 6 people. How many	2) 3) 4)
5) Is the following a function?	<ul> <li>6) Does the following graph show a function?</li> </ul>	5) 6)
7) Find the slope of a line that passes through the points (2, 15) and (5, 8).	8) Find the slope of the line that goes through the given points. (-3, 1) and (5, 4)	7) 8) 9)
9) Find the value of x and the measure of Angle JKL.	10) The measure of angle 4 is 45° and the measure of	10)
11) Ben is deciding on a new cell phone	<ul> <li>angle 5 is 67°. What is the measure of angle 1?</li> <li>12) Write an equation for the line that has</li> </ul>	11)
olan. Verizon Wireless is going to charge him \$120 as an initial fee plus \$35 per month for unlimited texting and 500 anytime minutes. Write an equation to	a rate of change of ½ and passes though the point (-2, 5).	13) 14)
model this situation. 13) The equation <i>s</i> = 20 <i>h</i> + 10 predicts Wary's score, <i>s</i> , on her next math test	14) Eric drew two squares side by side (this means touching, they share a side). The	15) GRID RESPONS
based on the number of hours, <i>h</i> , Mary studies. If the equation works and Mary studies for 2.75 hours, what will be her score?	perimeter of the resulting rectangle is 90 meters. What is the area of the rectangle?	
15) A square is folded in half to form a rectar perimeter of 15 inches, what is the area of th		

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Spiral 3/13 Math 8

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