Algebra Chapter 4 Practice Test 2

Name _____

Consider the given relation and state the domain and range of that relation.

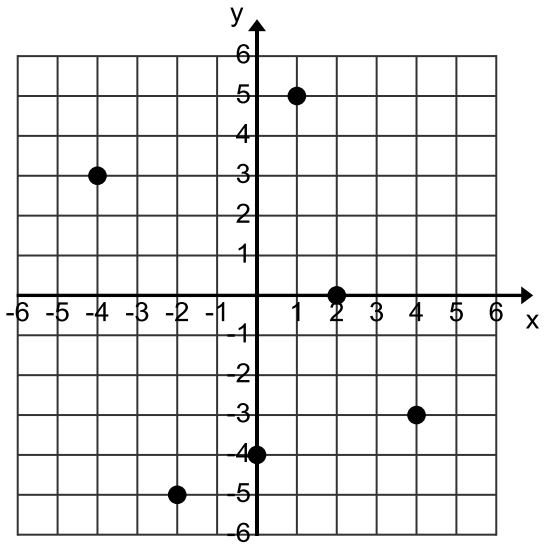
1. $\{(5,1),(-1,6),(2,6)\}$

   Domain = _____ Range = _____

2. $\{(3,5),(4,5),(5,5)\}$

   Domain = _____ Range = _____

3. From the graph below determine the ordered pairs that are on the graph.



Ordered pairs = _____

_____ 4. Which ordered pairs below are solutions to the equation y = 5x – 1?

A. (1, 8) B. (3, 14) C. (0, -1) D. (5, 33)

_____ 5. Which ordered pairs below are solutions to the equation 2x + 3y = 6?

A. (2, 1) B. (0, 2) C. (3, 0) D. (-3, 4)

_____ 6. Which ordered pairs below are solutions to the equation x – y = 2?

A. (7, 4) B. (1, -1) C. (9, 5) D. (6, 4)

In the problems below, fill in the t-chart for the given equation.

7. $y = -2x + 4$

x	y
1	
-3	
	2
	-2

8. $x - y = -1$

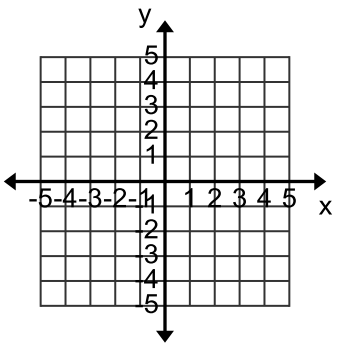
x	y
1	
-3	
	2
	-2

9. $y = 2x - 20$

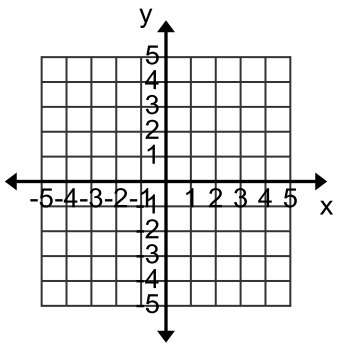
x	y
1	
-3	
	2
	-2

Graph the problems below. When the equation is in slope-intercept form, graph it quickly and easily. If it isn't in slope intercept form, you will have to make a t-chart to help you think of some points that will work.

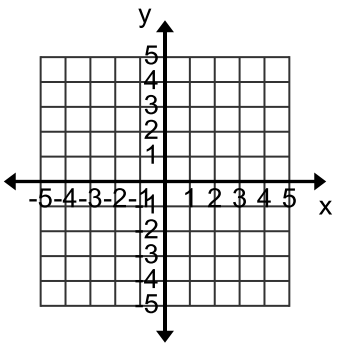
10. $y = -x - 1$



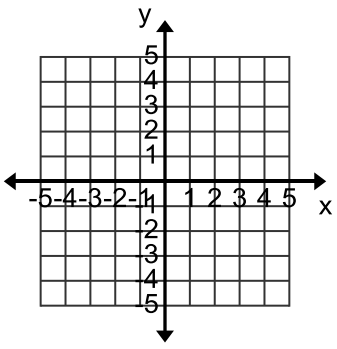
11. $x + y = 6$



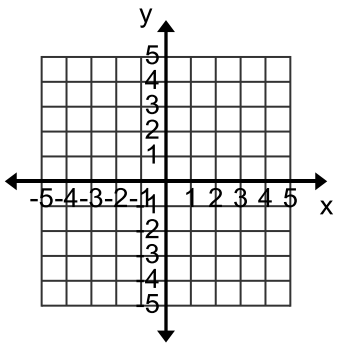
12. $y = \frac{1}{2}x - 1$



13. $x + y = 1$



14. $y = -3x - 2$



15. $y = \frac{2}{3}x - 4$