

Algebra Chapter 4 Practice Test 1

Name _____

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

1. $\{(-2, 4), (-1, 4), (2, 6), (1, 6)\}$

Domain = _____

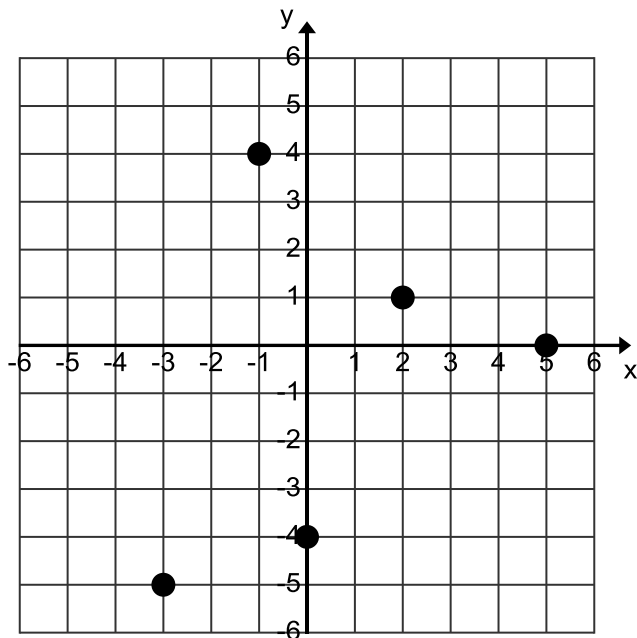
Range = _____

2. $\{(0, 4), (5, 5), (-2, 5)\}$

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 $y = 3x - 1$?

- A. (2, 5) B. (3, 10) C. (1, 2) D. (5, 13)

_____ 5. Which ordered pairs below are solutions to the equation $2x + y = 10$?

- A. (2, 4) B. (1, 8) C. (3, 1) D. (4, -2)

_____ 6. Which ordered pairs below are solutions to the equation $x - y = 4$?

- A. (4, 0) B. (3, -1) C. (5, 1) D. (7, 4)

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

7. $y = 2x - 1$

x	y
1	
-3	
	2
	-2

8. $x - y = 3$

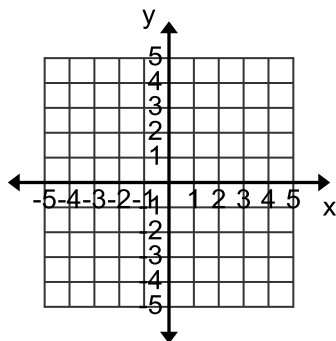
x	y
1	
-3	
	2
	-2

9. $y = -2x - 5$

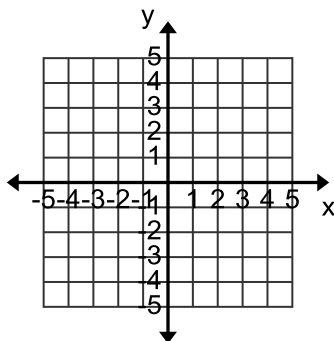
x	y
1	
-3	
	2
	-2

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.

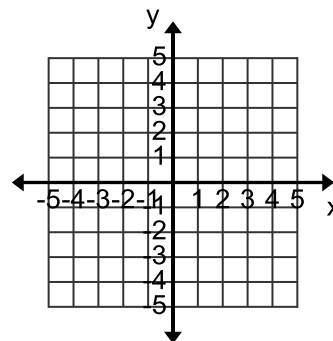
10. $y = -2x - 1$



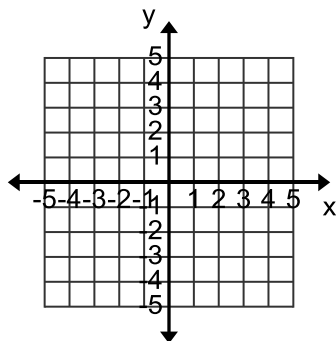
11. $x - y = 1$



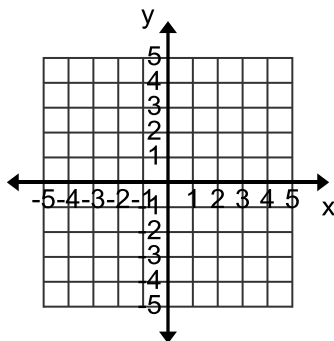
12. $y = \frac{1}{2}x + 2$



13. $x + y = 4$



14. $y = -4x - 4$



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

