

Chapter 3 Take Home Review

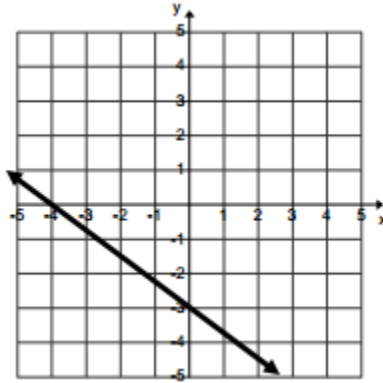
Target 3-1: I can find the x and y intercepts and explain what they mean in real world situations.

1. Find the x and y intercepts of the table and explain what they mean.

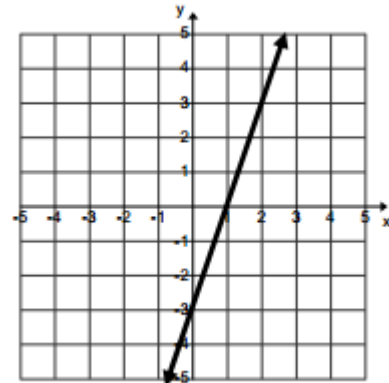
Number of Bricks on a Wall	Time Spent taking Bricks Down (hours)
846	0
705	2
564	4
423	6
282	8
141	10
0	12

Find the x and y intercepts of the following graphs.

2.



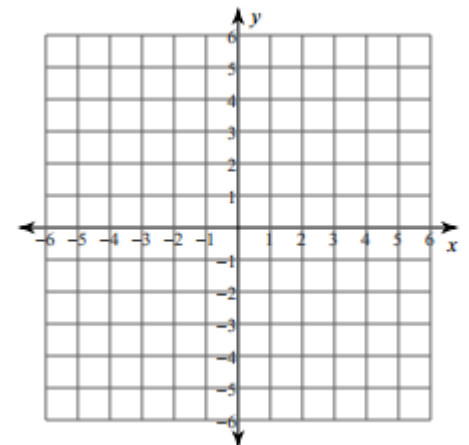
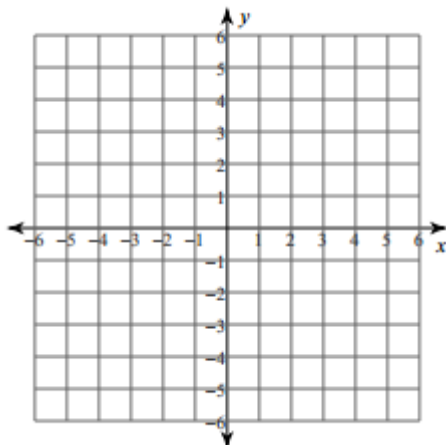
3.



Find the x and y intercepts of the equations below and graph them using the intercepts.

4. $4x + y = 5$

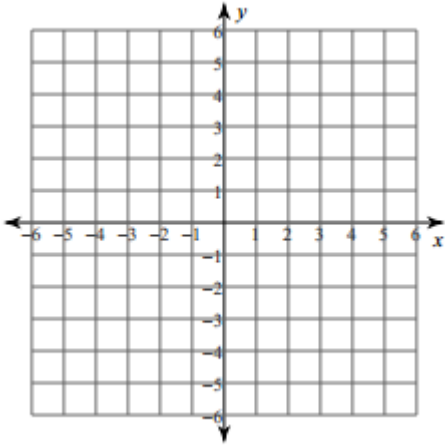
5. $3x + 6y = 18$



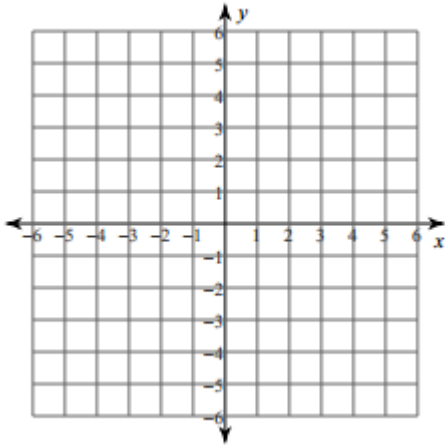
Target 3-2: I can graph linear functions.

For the following graph each equation using a table. Must have at least four points.

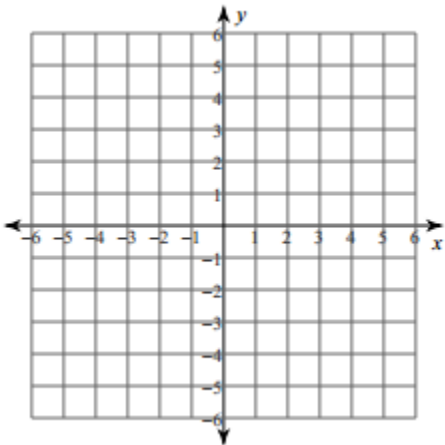
1. $7x + y = 5$



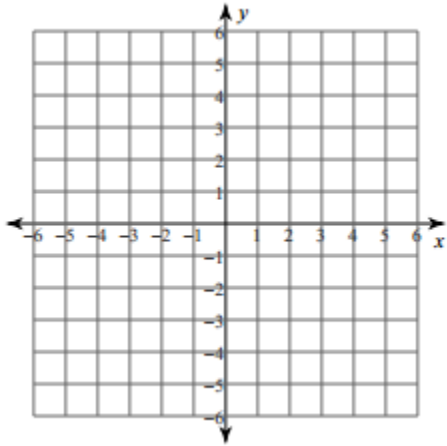
2. $3x + 5y = -5$



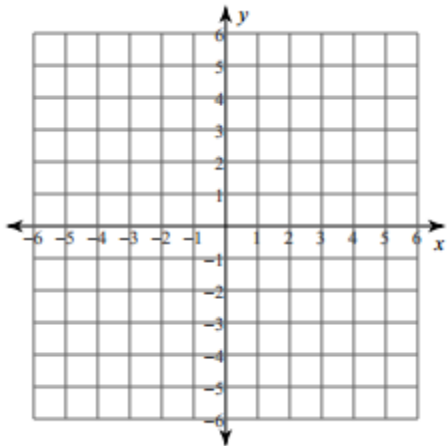
3. $y = 4$



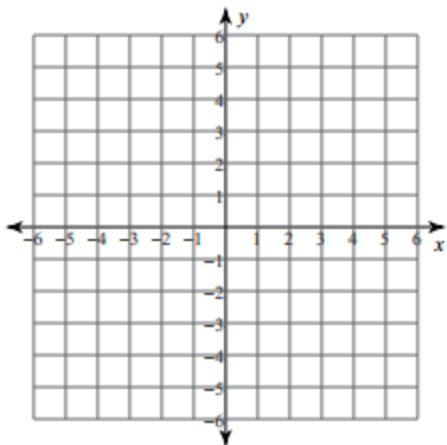
4. $6x + 5y = 20$



5. $x = -3$



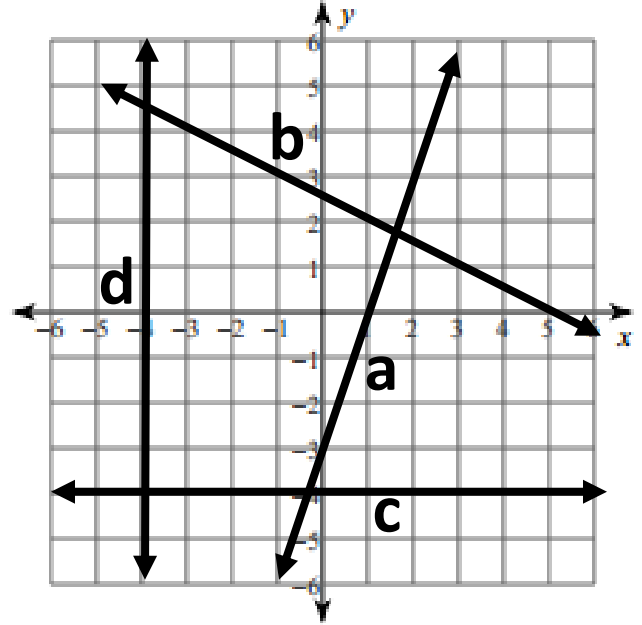
6. $y = -\frac{3}{2}x$



Target 3-3: I can find the slope and the rate of change interpret it in the context of problem.

Find the slope of each line below.

-
-
-
-



Determine the rate of change between the following points.

- $(17, -6)$ and $(-11, 7)$
- $(3, 4)$ and $(-4, -5)$
- $(-20, 14)$ and $(17, 15)$
- $(11, -18)$ and $(-1, -7)$

For the following tables determine the independent and dependent variables, then find the slope and write a sentence explaining what it means.

5.

Number of Lawns	Total Earned (Dollars)
3	25.50
5	42.50
7	59.50
9	76.50

6.

Number of Balloons	2	4	6	8
Total cost of Balloons (Dollars)	6	12	18	24

Name/Per: _____

$$-8x + 4x = -16$$

$$20 = 4b + 7 + 5$$

$$18 = 6p + 3p$$

$$7 = 6k - 7k$$

$$2v + 7v + 14 = 6v + 2$$

$$23 - 2m = 3 - 2(5m - 2)$$

$$-3(5p - 1) - 2(1 + 3p) = 1 - 6p - 4p$$