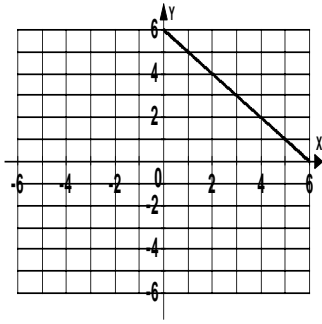


**Additional Exercises 4.2**  
**Form I**  
 Graphing Linear Equations Using Intercepts

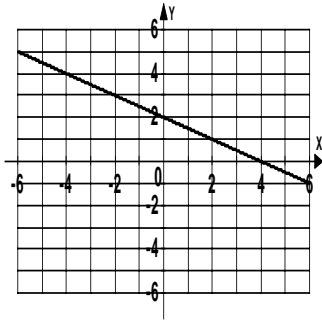
Use the graph to identify the  $x$ - and  $y$ -intercepts or state that there is no  $x$ - or  $y$ -intercept.

1.



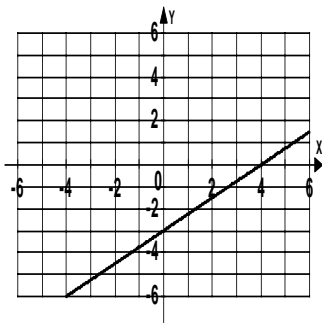
1. \_\_\_\_\_

2.



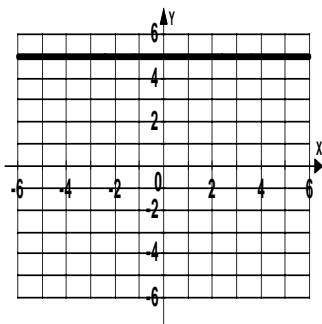
2. \_\_\_\_\_

3.



3. \_\_\_\_\_

4.



4. \_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_

Find the  $x$ -intercept and the  $y$ -intercept of each equation.

5.  $x + y = 3$  5. \_\_\_\_\_

6.  $2x + y = -6$  6. \_\_\_\_\_

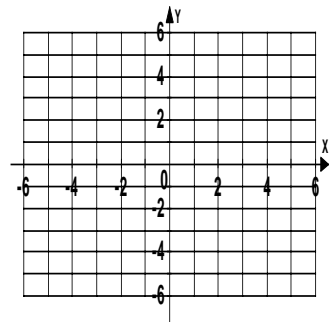
7.  $-2x + 5y = -10$  7. \_\_\_\_\_

8.  $-3x + 3y = -6$  8. \_\_\_\_\_

For each problem, (a) find the  $x$ - and  $y$ -intercepts and (b) then graph the equation.

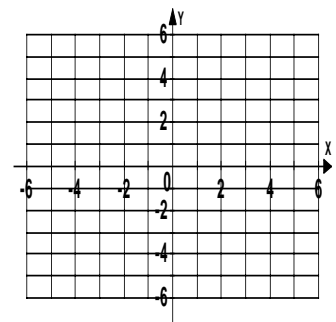
9.  $x - 4y = -4$  9a. \_\_\_\_\_

b.



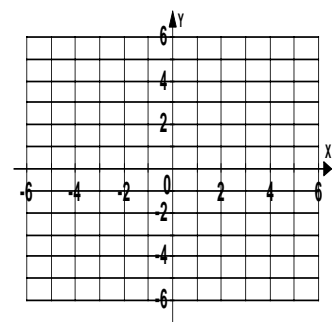
10.  $x = -1$  10a. \_\_\_\_\_

b.



11.  $3x + 9y = 9$  11a. \_\_\_\_\_

b.



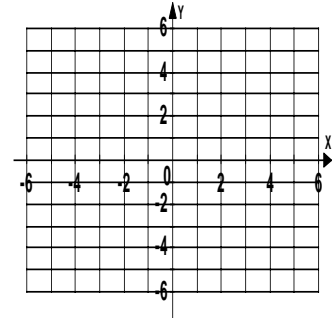
Name \_\_\_\_\_

Date \_\_\_\_\_

12.  $6x - 24y = 0$

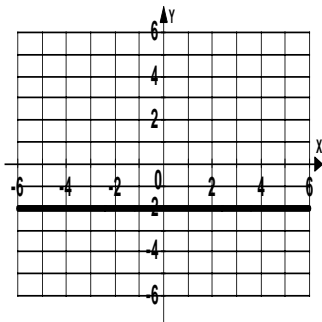
12a. \_\_\_\_\_

b.



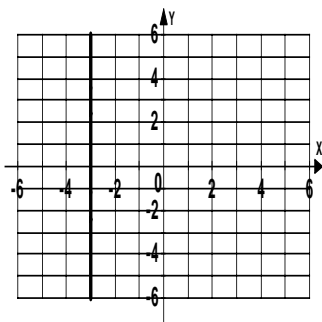
Write the equation for the graphs.

13.



13. \_\_\_\_\_

14.



14. \_\_\_\_\_

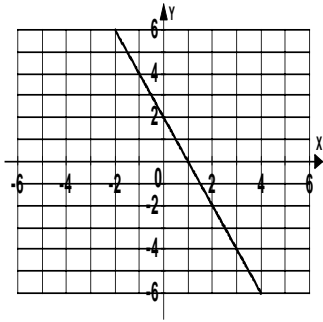
Name \_\_\_\_\_

Date \_\_\_\_\_

**Additional Exercises 4.2**  
**Form II**  
Graphing Linear Equations Using Intercepts

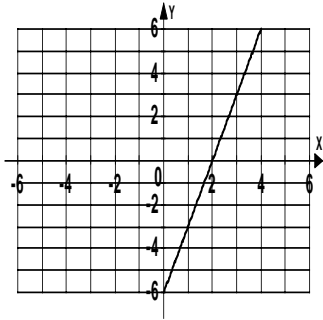
Use the graph to identify the  $x$ - and  $y$ -intercepts or state that there is no  $x$ - or  $y$ -intercept.

1.



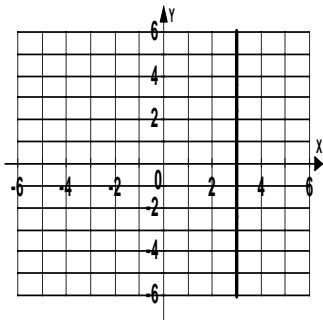
1. \_\_\_\_\_

2.



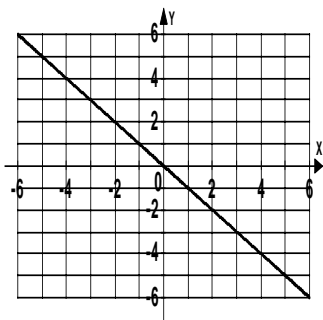
2. \_\_\_\_\_

3.



3. \_\_\_\_\_

4.



4. \_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_

Find the  $x$ -intercept and the  $y$ -intercept of each equation.

5.  $x + y = 6$  5. \_\_\_\_\_

6.  $2x - y = 8$  6. \_\_\_\_\_

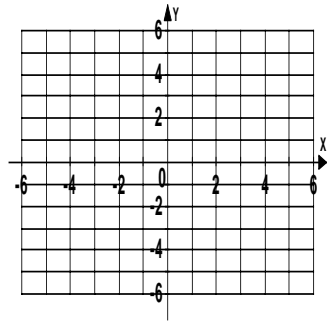
7.  $-3x - 5y = 30$  7. \_\_\_\_\_

8.  $4x - 3y = 18$  8. \_\_\_\_\_

For each problem, (a) find the  $x$ - and  $y$ -intercepts and (b) then graph the equation.

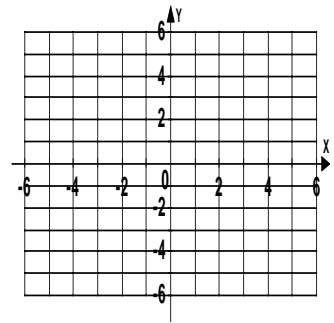
9.  $2x - 3y = 6$  9a. \_\_\_\_\_

b.



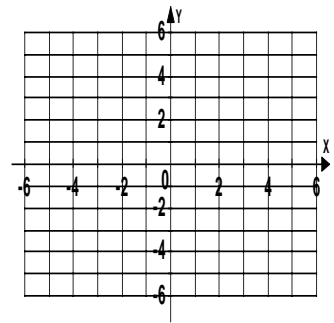
10.  $y = -2$  10a. \_\_\_\_\_

b.



11.  $2x - 5y = 5$  11a. \_\_\_\_\_

b.



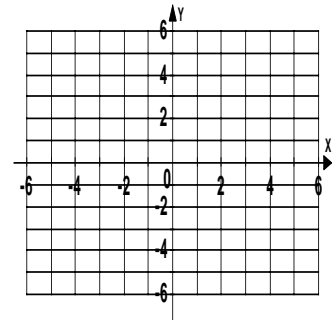
Name \_\_\_\_\_

Date \_\_\_\_\_

12.  $2x + 6y = 0$

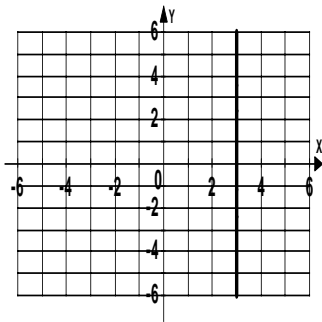
12a. \_\_\_\_\_

b.



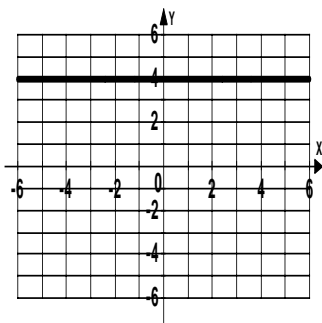
Write the equation for the graphs.

13.



13. \_\_\_\_\_

14.



14. \_\_\_\_\_

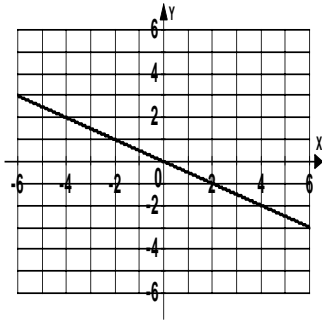
Name \_\_\_\_\_

Date \_\_\_\_\_

**Additional Exercises 4.2**  
**Form III**  
Graphing Linear Equations Using Intercepts

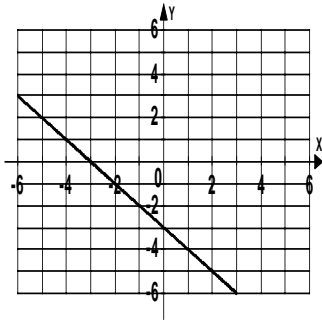
Use the graph to identify the  $x$ - and  $y$ -intercepts or state that there is no  $x$ - or  $y$ -intercept.

1.



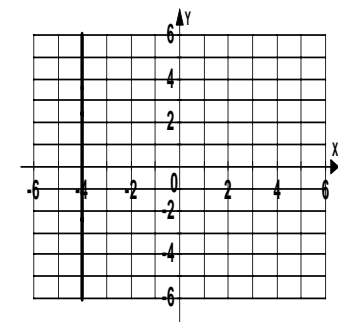
1. \_\_\_\_\_

2.



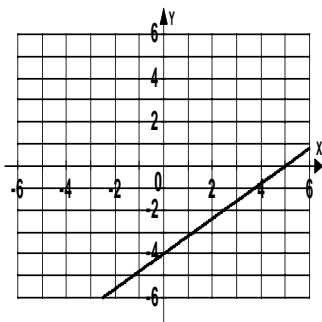
2. \_\_\_\_\_

3.



3. \_\_\_\_\_

4.



4. \_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_

Find the  $x$ -intercept and the  $y$ -intercept of each equation.

5.  $2x - 3y = 15$

5. \_\_\_\_\_

6.  $3x + 4y = 9$

6. \_\_\_\_\_

7.  $5x + 3y = 12$

7. \_\_\_\_\_

8.  $6x - 5y = 24$

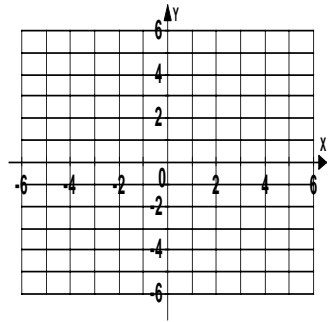
8. \_\_\_\_\_

For each problem, (a) find the  $x$ - and  $y$ -intercepts and (b) then graph the equation.

9.  $12y - 3x = -9$

9a. \_\_\_\_\_

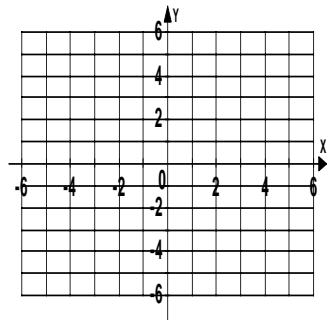
b.



10.  $y = 4$

10a. \_\_\_\_\_

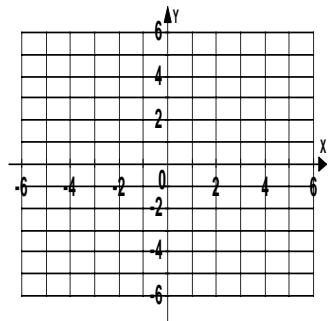
b.



11.  $5x - 4y = 8$

11a. \_\_\_\_\_

b.



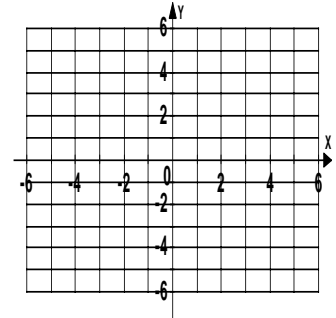
Name \_\_\_\_\_

Date \_\_\_\_\_

12.  $4x + 3y = 0$

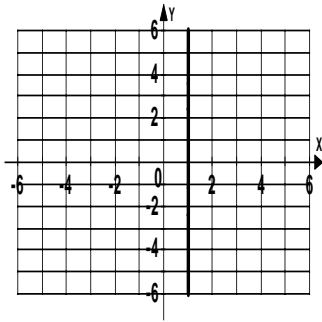
12a. \_\_\_\_\_

b.



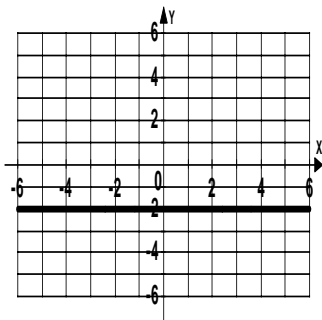
Write the equation for the graphs.

13.



13. \_\_\_\_\_

14.



14. \_\_\_\_\_