

Standard Form of a Linear Equation  
Worksheet

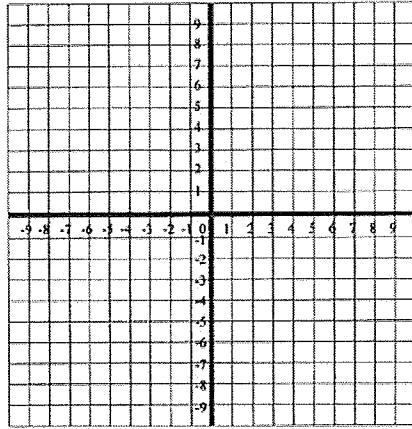
Name \_\_\_\_\_  
Date \_\_\_\_\_ Block \_\_\_\_\_

Find the x- and y-intercepts of each equation and then graph the line.

1)  $x + 2y = 8$

X	Y
0	0

$m =$

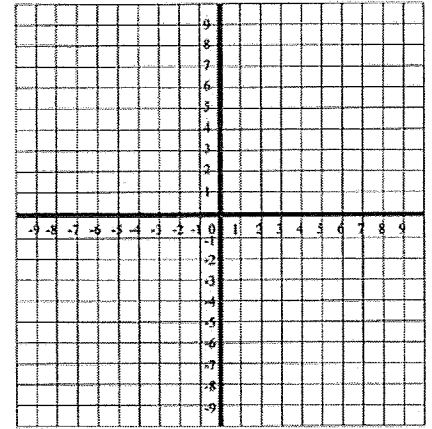


x-int = \_\_\_\_\_ y-int = \_\_\_\_\_

2)  $3x - y = 9$

X	Y
0	0

$m =$

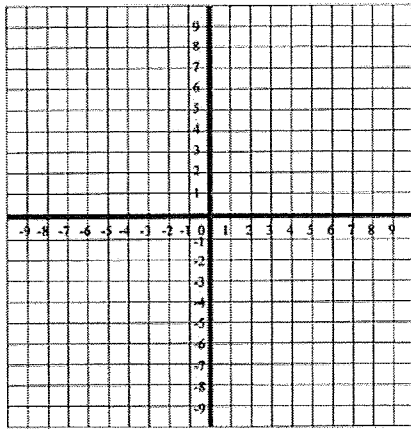


x-int = \_\_\_\_\_ y-int = \_\_\_\_\_

3)  $-5x + 6y = 30$

X	Y
0	0

$m =$

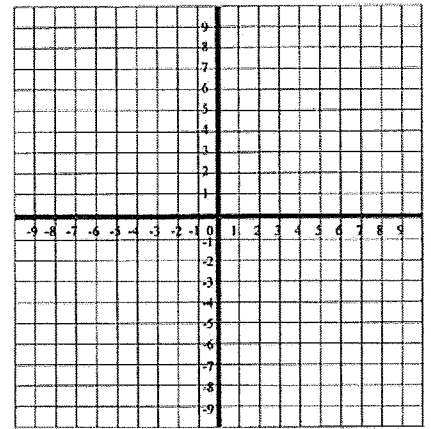


x-int = \_\_\_\_\_ y-int = \_\_\_\_\_

4)  $-6x + 3y = -9$

X	Y
0	0

$m =$

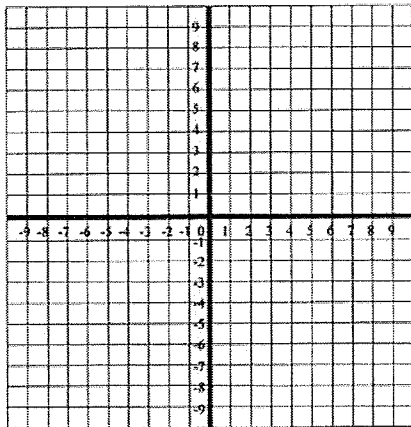


x-int = \_\_\_\_\_ y-int = \_\_\_\_\_

5)  $-3x + y = 6$

X	Y
0	0

$m =$

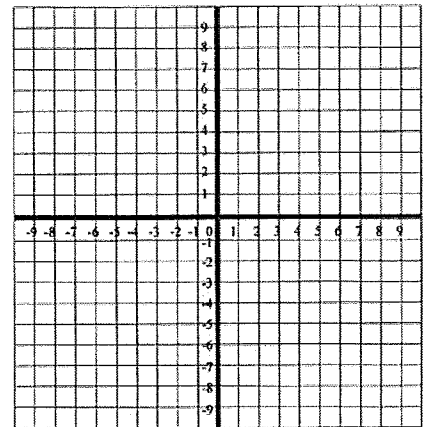


x-int = \_\_\_\_\_ y-int = \_\_\_\_\_

6)  $5x - 3y = 15$

X	Y
0	0

$m =$



x-int = \_\_\_\_\_ y-int = \_\_\_\_\_

Write each equation in standard form using integers.

7)  $y = 3x + 1$

$m =$

$b =$

8)  $y = 4x - 7$

$m =$

$b =$

9)  $y = \frac{1}{2}x - 3$

$m =$

$b =$

10)  $y = \frac{2}{3}x + 5$

$m =$

$b =$

11)  $y = -\frac{3}{4}x - 4$

$m =$

$b =$

12)  $y = -\frac{4}{5}x - 7$

$m =$

$b =$

13)  $y = \frac{7}{2}x + \frac{1}{4}$

$m =$

$b =$

14)  $y = -\frac{2}{5}x + \frac{1}{10}$

$m =$

$b =$

15)  $y = -3x$

$m =$

$b =$

16) Write an equation of a line (in standard form) that has the same slope as the line  $3x - 5y = 7$  and the same y-intercept as the line  $2y - 9x = 8$ .