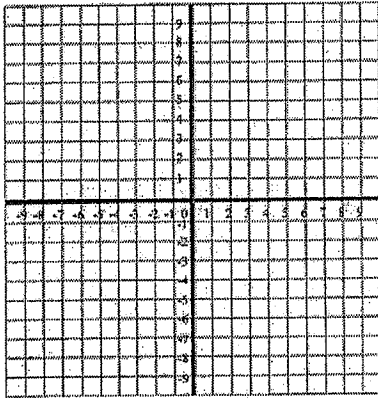


Standard Form of a Linear Equation  
Worksheet

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

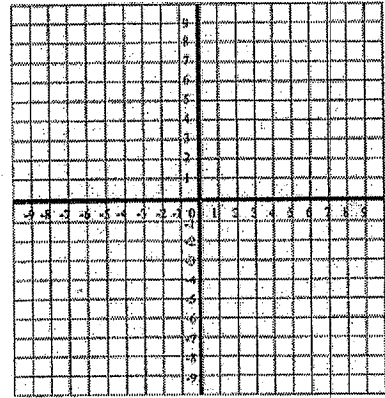
Find the x- and y-intercepts of each equation and then graph the line.

1)  $x + 2y = 8$



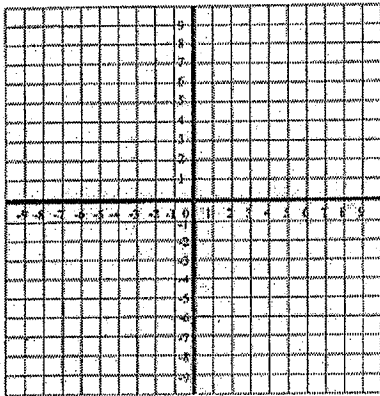
x-int = \_\_\_\_\_ y-int = \_\_\_\_\_

2)  $3x - y = 9$



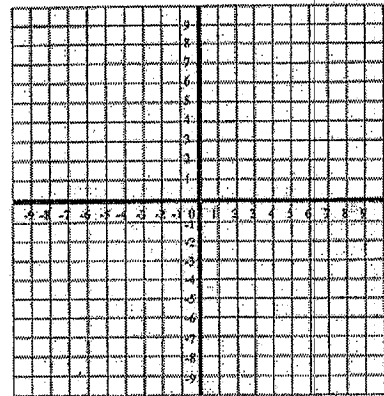
x-int = \_\_\_\_\_ y-int = \_\_\_\_\_

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



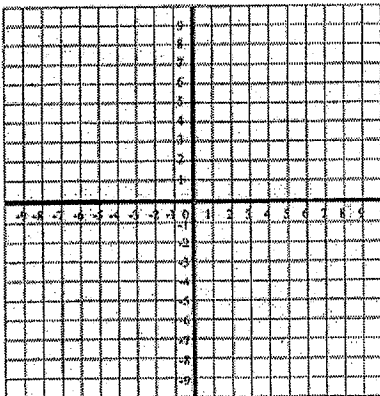
x-int = \_\_\_\_\_ y-int = \_\_\_\_\_

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



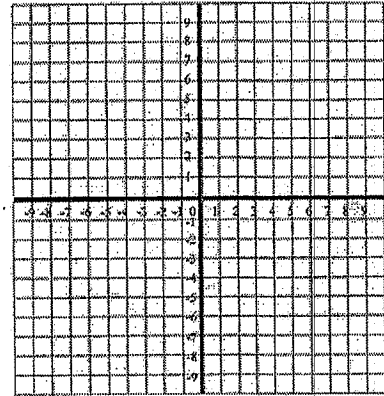
x-int = \_\_\_\_\_ y-int = \_\_\_\_\_

5)  $-3x + y = 6$



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

6)  $5x - 3y = 15$



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

Write each equation in standard form using integers.

$$7) y = 3x + 1$$

$$8) y = 4x - 7$$

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

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

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

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

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

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

$$15) y = -3x$$

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  $2y - 9x = 8$ .