

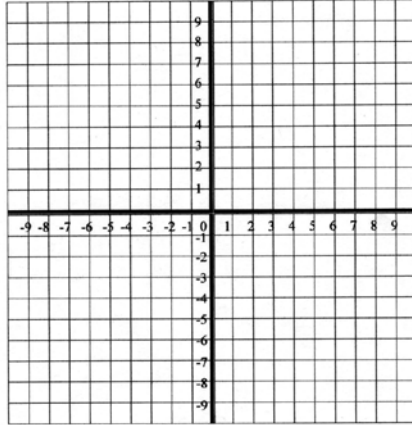
Standard Form of a Linear Equation
Worksheet

Name _____

Date _____ Block _____

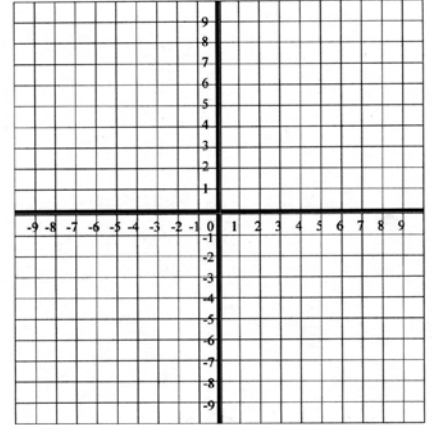
Find the x- and y-intercepts of each equation and then graph the line.

1) $x + 2y = 8$



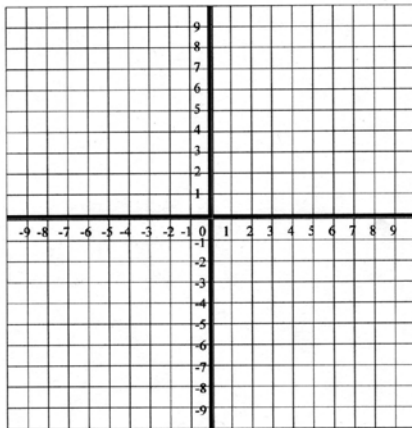
x-int = _____ y-int = _____

2) $3x - y = 9$



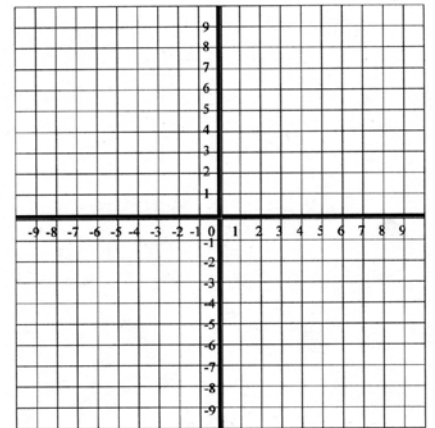
x-int = _____ y-int = _____

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



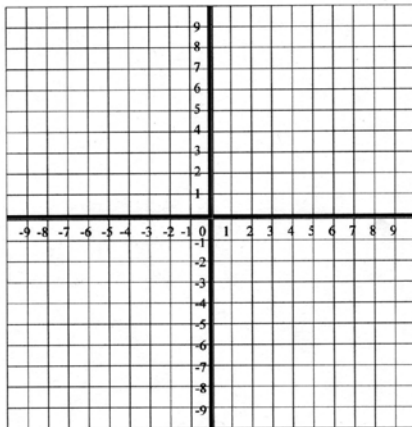
x-int = _____ y-int = _____

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



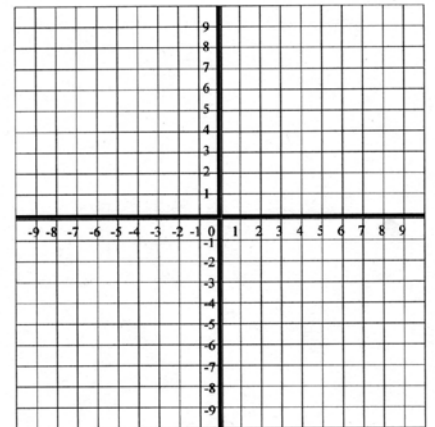
x-int = _____ y-int = _____

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 $2y - 9x = 8$.