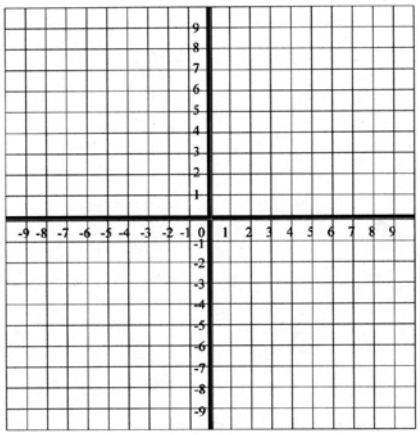
Standard Form of a Linear Equation
Worksheet

Name _____
Date _____ Block _____

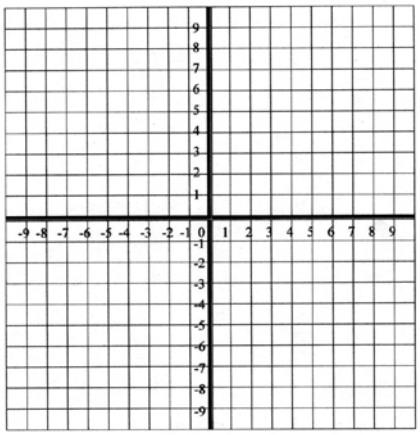
Find the x- and y-intercepts of each equation and then graph the line.

1) x + 2y = 8



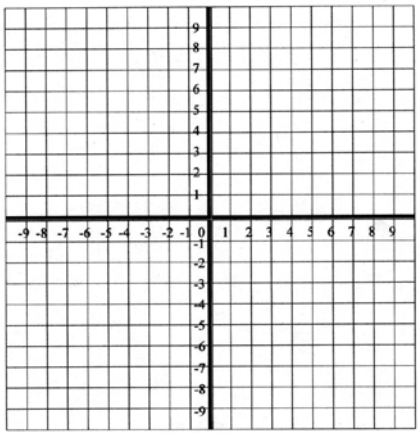
x-int = _____ y-int = _____

2) 3x – y = 9



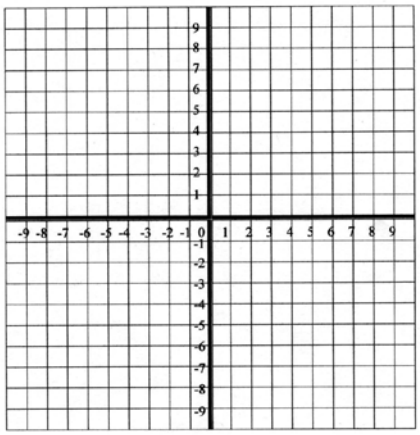
x-int = _____ y-int = _____

3) -5x + 6y = 30



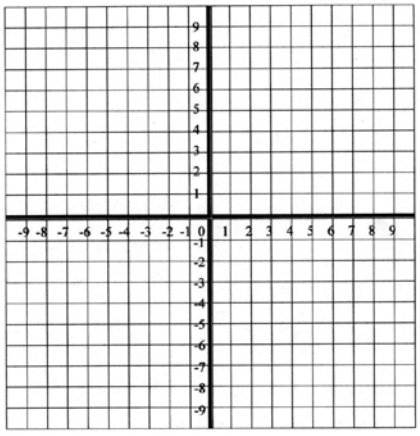
x-int = _____ y-int = _____

4) -6x + 3y = -9



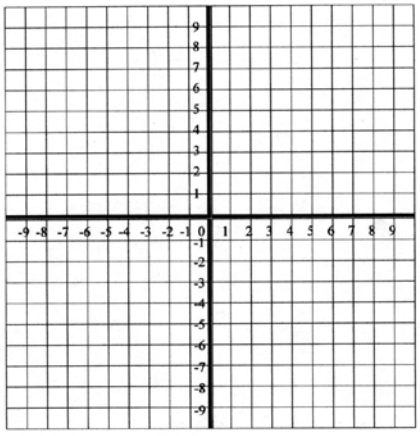
x-int = _____ y-int = _____

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 $2y - 9x = 8$.