

## Linear Equations Assignment

Block: \_\_\_\_\_ Mark Out Of 26 \_\_\_\_\_

**Write the standard form of the equation of each line given the slope and y-intercept.**

1) Slope =  $\frac{6}{5}$ , y-intercept =  $-4$

**Write the standard form of the equation of each line.**

2)  $y = \frac{11}{6}x - 6$

3)  $y + 2 = -\frac{1}{5}(x - 5)$

**Write the slope-intercept form of the equation of each line.**

4)  $0 = -2y - x - 8$

5)  $-3y + 12 = -8x$

**Write the slope-intercept form of the equation of the line through the given point with the given slope.**

6) through:  $(5, 0)$ , slope =  $\frac{2}{5}$

**Write the slope-intercept form of the equation of the line through the given points.**

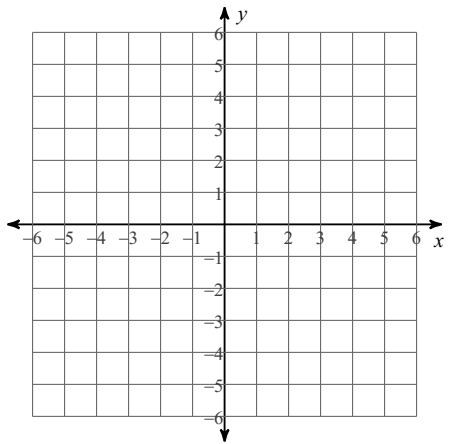
7) through:  $(-1, -3)$  and  $(-3, -1)$

**Write the standard form of the equation of the line described.**

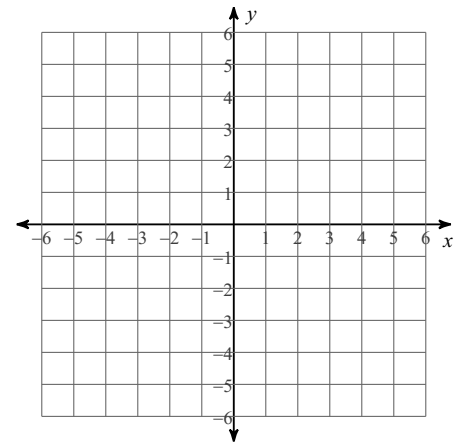
8) through:  $(5, -3)$ , parallel to  $y = -\frac{1}{5}x - 5$       9) through:  $(2, -2)$ , perp. to  $y = \frac{2}{3}x$

Sketch the graph of each line.

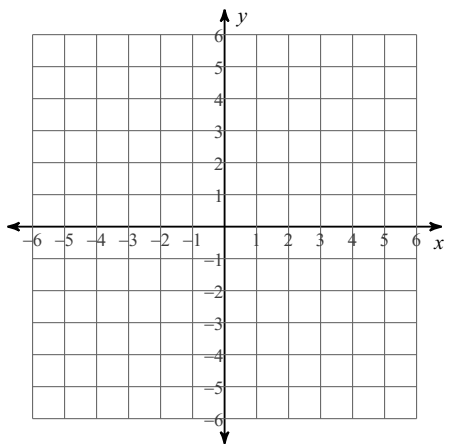
10)  $x$ -intercept = 3,  $y$ -intercept = 5



11)  $x + y = 3$



12)  $x = -4$



13)  $-y - 3 = -8x$

