BELL WORK
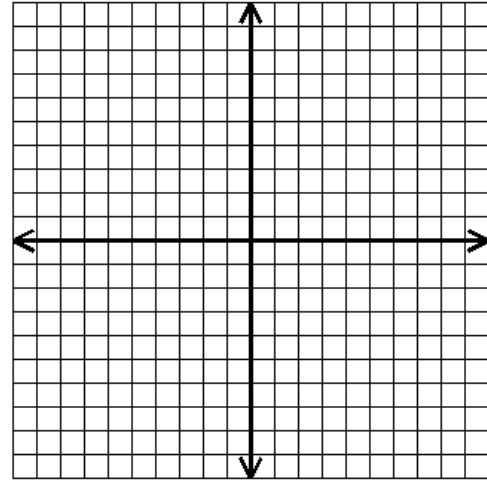
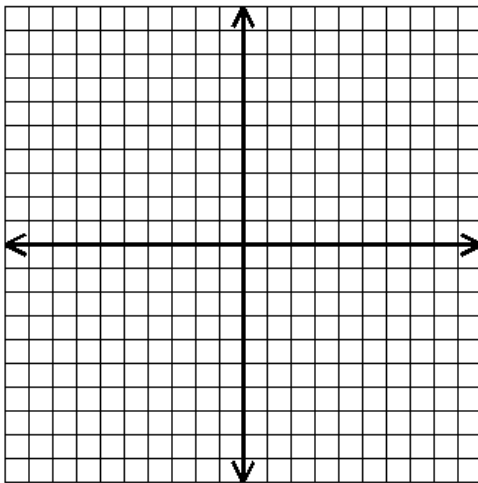1. Graph the line: $y = 2x - 8$

   m = _____   b = _____

2. Graph the line: $y = \frac{-5}{2}x - 9$
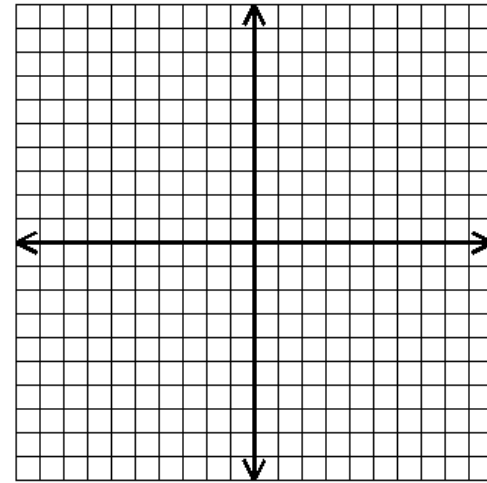
   m = _____   b = _____

Use the information given to graph a linear function.

1. Graph the line that goes through (-3, 2) and has a slope of $\frac{2}{3}$. Then write the equation in slope-intercept form.

   Equation: _____

2. Graph the line that goes through the points (3, -8) and (-6, 4). Then write the equation in slope-intercept form.

   Equation: _____

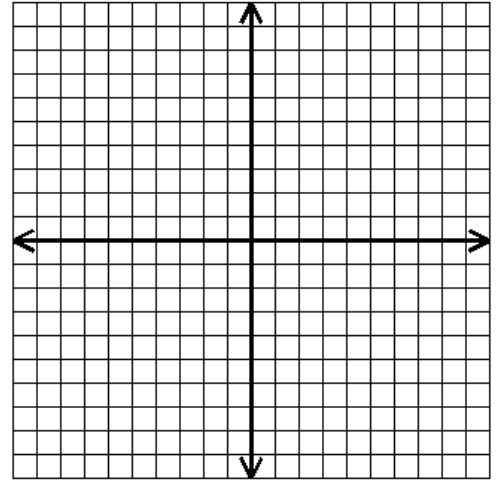3. Write the equation of a line with a slope of $\frac{1}{2}$ and a y-intercept of -3.

   Equation: _____

4. Write the equation of a line that goes through the y-axis at 2 and has a rate of change of $\frac{-3}{5}$.

   Equation: _____

5. Find the missing information.

Point A	(2, 4)
Slope	-2
y-intercept	
Equation of the line	
Name 2 other points on the line	

6. Find the missing information.

Point A	(0, 0)
Point B	(5, 3)
Slope	
y-intercept	
Equation of the line	