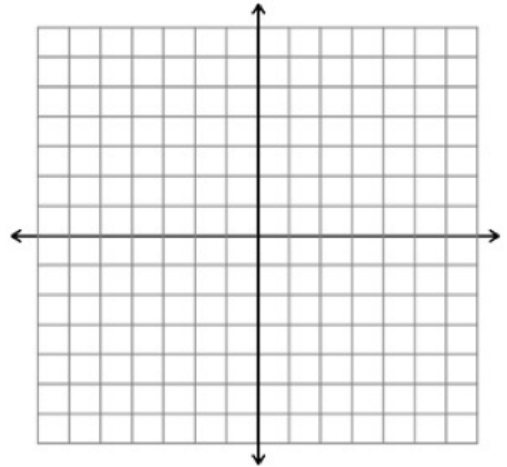


Written Homework 3 – Show all work to receive credit

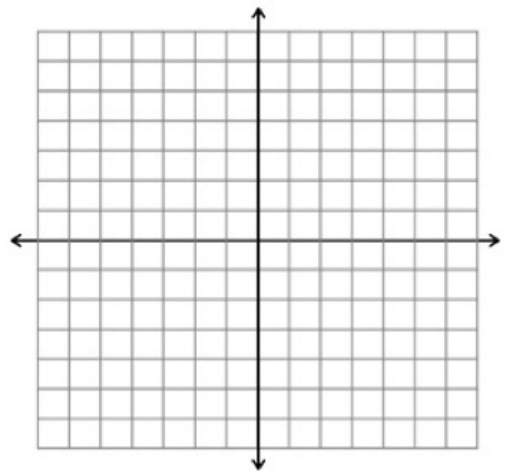
Graphing (Sections 3.2, 3.3)

When graphing, make sure you label your scale and axes on the graph.

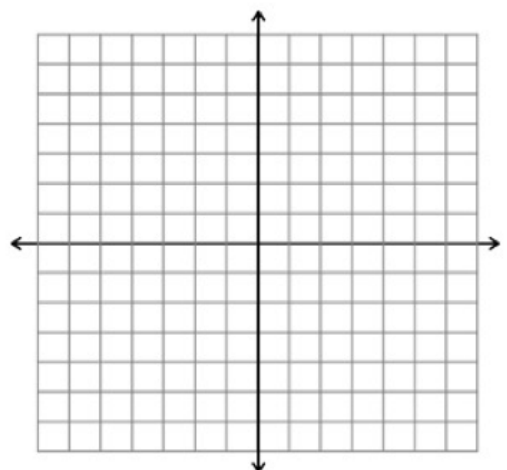
1) Graph $y = 3x - 2$. Show your table of x - and y -values.



2) Graph $5y - 2x = 0$. Show your table of x - and y -values.



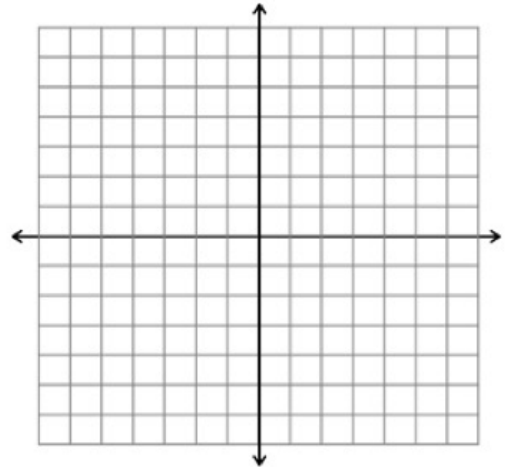
3) Graph $y = -4$



4) Find the x - and y -intercepts. Then graph the equation. $x + 2y = 4$

x -intercept: _____

y -intercept: _____



Slope (Section 3.5)

5) Find the slope of the line through the two points: $(-5, -3)$ and $(2, -7)$

Slope-Intercept Form and Point-Slope Form (Section 3.7)

6) Find the slope and y -intercept of the line: $12x - 6y = 9$

7) Write the slope-intercept equation for the line with a slope of $\frac{7}{4}$ that passes through the point $(4, -2)$. Show all work.

8) Write the slope-intercept equation of the line passing through the points $(-3, 4)$ and $(3, 1)$. Show all work.