

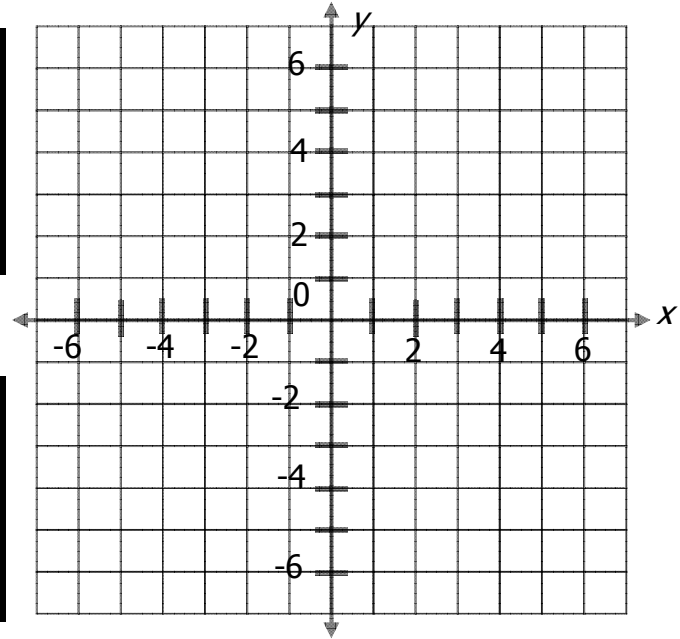
PS #4.5 - Graphing Lines

Name _____ Class _____

Fill in the chart for each equation. Graph the lines on the graph provided.

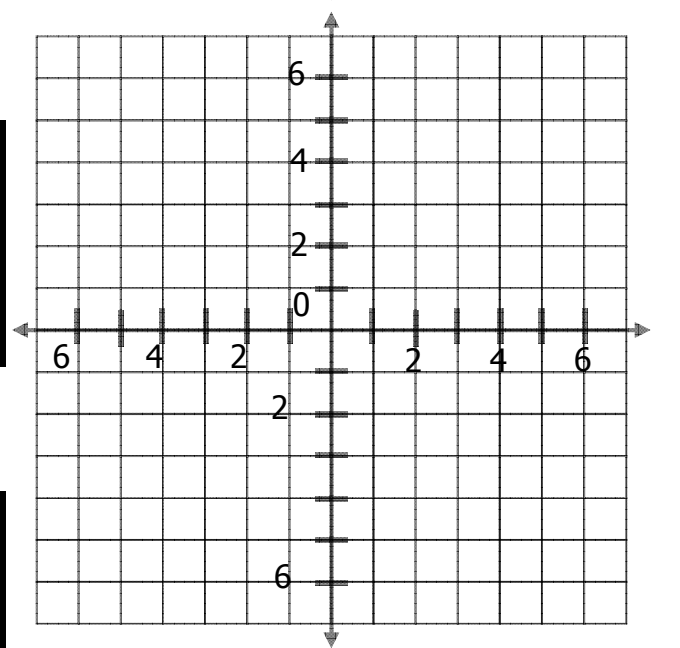
1.)

Problem	Slope-Intercept Form	Slope	Y-Intercept
$2y = -6x + 4$			



2.)

Problem	Slope-Intercept Form	Slope	Y-Intercept
$2y - 8 = -5x$			



3.)

Problem	Slope-Intercept Form	Slope	Y-Intercept
$y = 3$			

4.)

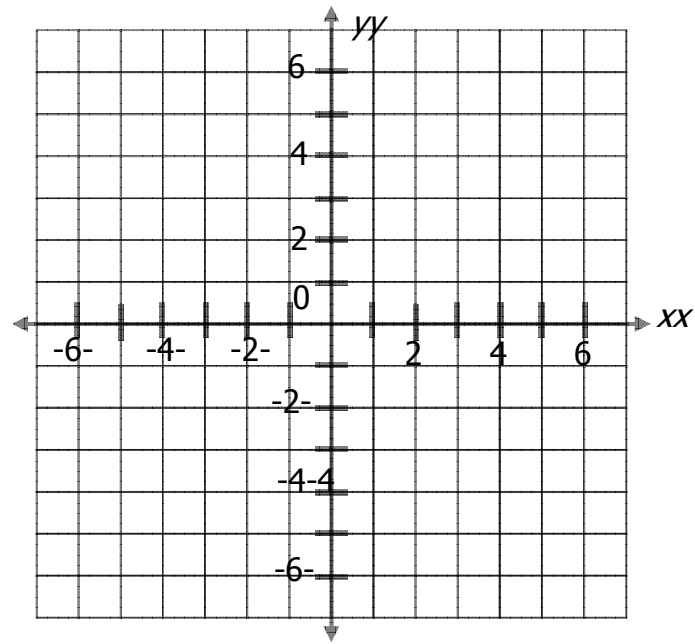
Problem	Slope-Intercept Form	Slope	Y-Intercept
$x = 5$			

5.) Find the equation of a line that has a slope of -3 and a y-intercept of 5.



6.) Find the equation of a line that has a slope of $\frac{1}{4}$ and has a y -intercept of 0.

7.) Find the equation of a line that has a slope of 4 and passes through (2,5). Graph the line on the graph to the right.



8.) Find the equation of a line that has a slope of $-\frac{1}{2}$ and passes through (6,-4). Graph the line on the graph to the right.

9.) You are planning a birthday party and decide to rent a limo for you and some of your friends. The limo company initially charges a \$70 fee and also charges \$45 per hour.

a.) Write an equation for the total cost, y , of renting the limo for x hours, including the initial fee.

b.) What is the y -intercept in your equation? _____

Explain what information the y -intercept tells you about this situation.

c.) What is the slope of the line in your equation? _____

Explain what information the slope tells you about this situation.

10.) Find 7^{-2} .