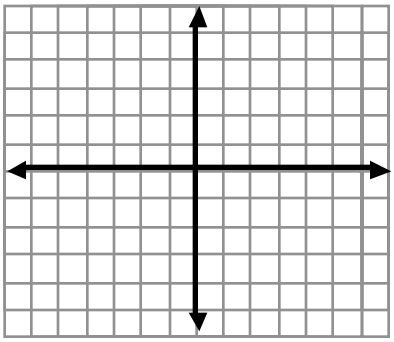
Module: Graphing
Lesson: #4 – Graphing Functions

Name_____
Date_____ Pd.__

Without a calculator, graph each of the following on the graph paper provided.

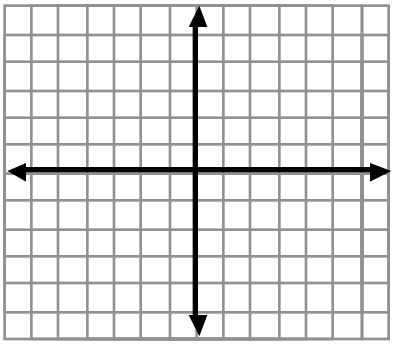
1. f(x) = 2x - 7

x		f(x)



2. f(x) = -3x + 4

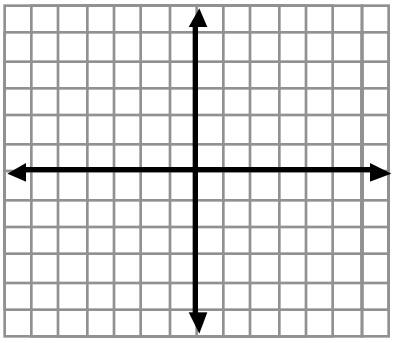
x		f(x)



Solve each equation for y and then graph each equation.

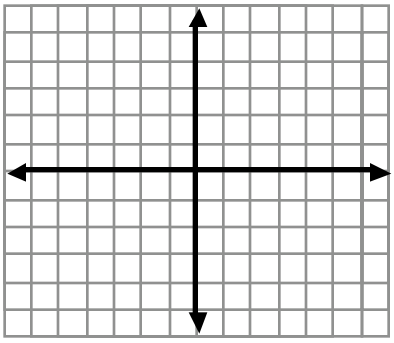
3. 6x + 7 = -14y

x		y



4. 8x - y = 16

x		y



Determine whether each equation is a linear equation. If an equation is linear, rewrite it in Standard Form (Ax + By = C).

5. $5x + 2y = y$

6. $3x^2 + 2y = 4$

7. $y = 7$

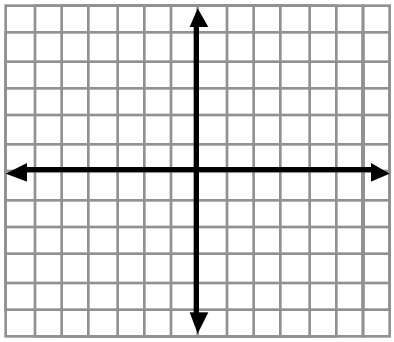
8. $\frac{3x}{5} - \frac{2y}{3} = 5$

9. $xy = 6$

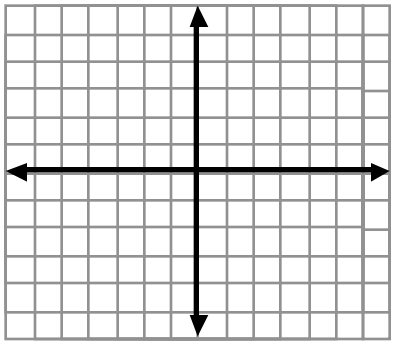
10. $\frac{2}{7x} - 3y = 4$

Use a calculator to sketch the graph of the equations.

11. $y = \frac{4}{3}$

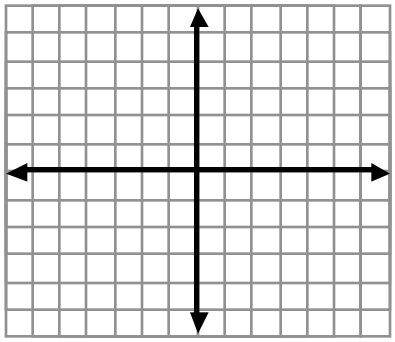


12. $y = 4 - 3x$



13. Graph the 4 equations on the same coordinate plane. Be sure to label each line!

$y = x - 1$ $y = 2x - 1$ $y = 3x - 1$ $y = 4x - 1$



What is the difference between the 4 graphs? What do you think determines this difference?