

What you will learn about:  
Functions

Function

Given the functions:  $f(x) = 2x - 5$ ,  $g(x) = -3x + 9$ , and  $h(x) = x^2 - 3x + 6$

Evaluate the following:

$f(6)$

$g(-3)$

$h(2)$

$f(-1)$

$g(7)$

$h(-4)$

$f(4) + g(2)$

$h(1) - g(4)$

$f(0) - h(3)$

$g(x) - f(x)$

$h(x) + f(x)$

$h(x) - g(x)$

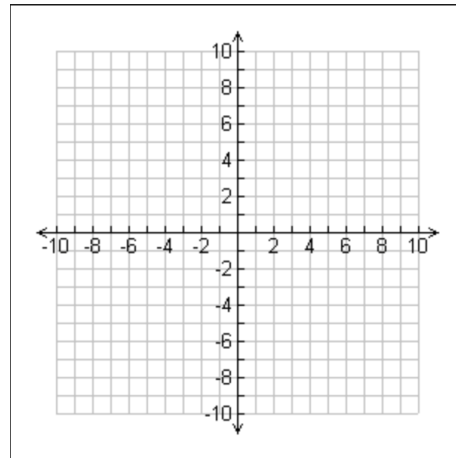
What you will learn about:  
Linear Functions

Graph the Linear Equation

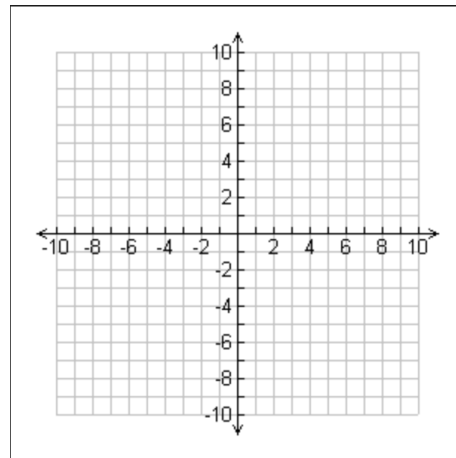
$$y = mx + b$$

Graph the linear function

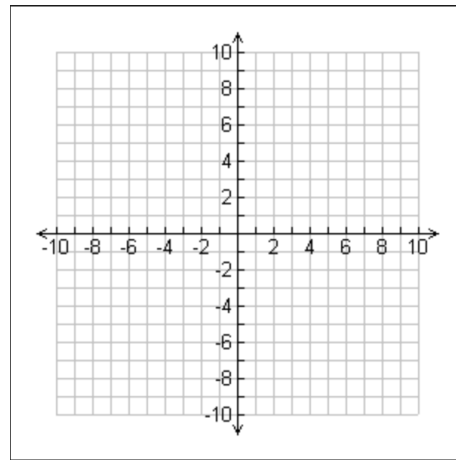
$$f(x) = 3x - 1$$



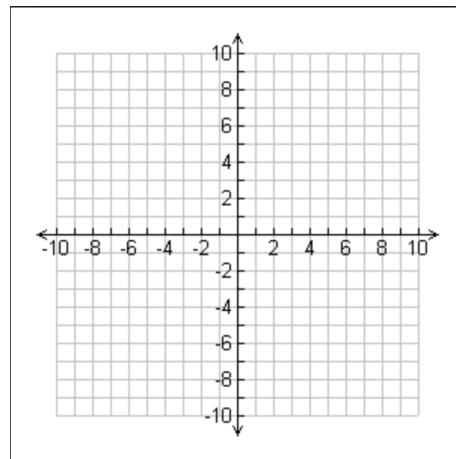
$$g(x) = -2x + 3$$



$$h(x) = \frac{2}{3}x + 4$$



$$p(x) = -\frac{5}{2}x - 1$$



Solve each equation:

$$-9x + 1 = -80$$

$$8n + 7 = 31$$

$$-15 = -4m + 5$$

$$\frac{n+5}{-16} = -1$$

$$-6 = \frac{n}{2} - 10$$

$$-1 = \frac{5+x}{6}$$

$$-4 = \frac{r}{20} - 5$$

$$\frac{m}{9} - 1 = -2$$

$$a + 5 = -5a + 5$$

$$5p - 14 = 8p + 4$$

$$p - 1 = 5p + 3p - 8$$

$$-7x - 3x + 2 = -8x - 8$$

$$-8 - x = x - 4x$$

$$-14 + 6b + 7 - 2b = 1 + 5b$$