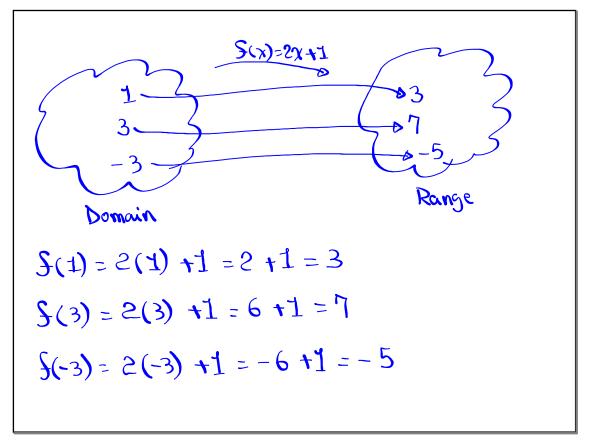
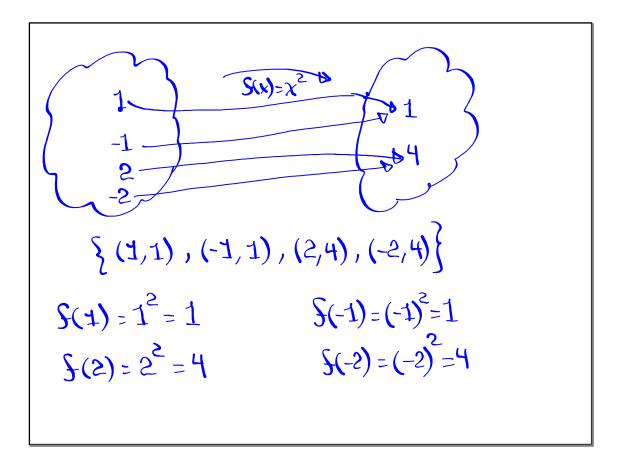


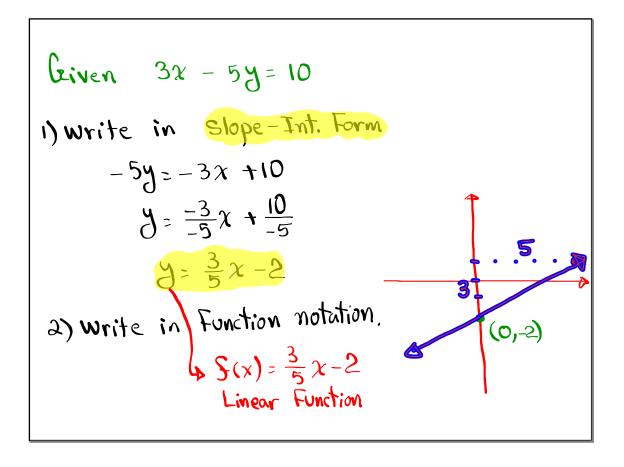
Function notation
$$f(x)$$
 "for x"
 $g(x)$ "gos x"
 $h(x)$ "hos x"
 $x \rightarrow \text{Input}$ $F(x) \rightarrow \text{output}$
 Range
You can think of $f(x)$ as Y.
 $f(x)$ is a Sormula or pattern that takes
the input value and veturns the output value.
 $f(x) = x^2$ $f(x$

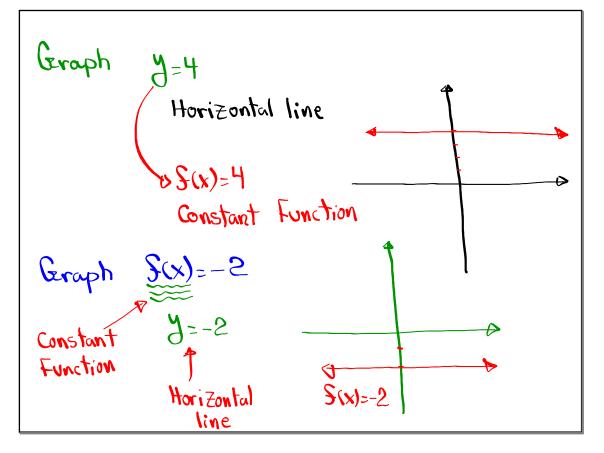




Given
$$y = \frac{2}{3}x + 1$$

Slope - Int Form
 $y = \frac{2}{3}x + 1$
Linear Function
 $m = \frac{2}{3}$, Y-Int (0,1)





Class QZ 6
Use Quadratic Formula to Solue

$$2^{2} - 22 - 15 = 0.$$

Q=1 $b^{2} - 4ac = (-2)^{2} - 4(1)(-15) = 4 + 60 = 64$
 $b = -2$ $\chi = \frac{-b \pm \sqrt{b^{2} - 4ac}}{2a} = \frac{-(-2) \pm \sqrt{64}}{2(1)} = \frac{2 \pm 8}{2}$
C=-15 $\chi = \frac{2 \pm 8}{2} = \frac{10}{2} = \frac{15}{2}$ $(-3, 5)$
 $\chi = \frac{2 - 8}{2} = \frac{-6}{2} = -3$