

Let's find an equation for the inverse relation of  $y = 4x - 6$ .

Step 1 - Rewrite the original equation, but put  $x$  where  $y$  was and  $y$  where  $x$  was.

$$y = 4x - 6 \text{ becomes } x = 4y - 6$$

Step 2 - Solve your new equation for  $y$  (so it looks like  $y =$  ).

$$x = 4y - 6$$

$$x + 6 = 4y$$

$$\frac{x + 6}{4} = y$$

Step 3 – We found it!

The inverse relation of  $y = 4x - 6$  is  $y = \frac{x+6}{4}$