## **Algorithm – Inverse Functions**

## **Algorithm To Find an Inverse Function**

2. Substitute y for 
$$f(x)$$

5. Rewrite y using 
$$f^{-1}(x)$$
 
$$\frac{x+1}{3} = f^{-1}(x)$$

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

$$y = 3x - 1$$

$$x = 3y - 1$$

$$\frac{x+1}{3} = \mathbf{y}$$

$$\frac{x+1}{3} = \mathbf{f}^{-1}(\mathbf{x})$$