

9/19/16 Motivation Monday

Use function machines to create inverses

I will stay motivated  
by getting lots of  
rest and staying focused

Input - what you plug in

Output - your answer

$$f(16) = \sqrt{x} - 1$$

3

$$g(3) = x^2 + 7$$

16

$$f(25) = \sqrt{x} - 1$$

4

$$g(4) = x^2 + 7$$

23

$$f(x) = \frac{-3}{x} + 2$$

$$g(x) = \frac{-3}{x-2}$$

$$\frac{-3}{-3/x-2} + 2$$

$$\frac{-3}{(-3/x+2)-2}$$

$$-3 \cdot \frac{x-2}{-3} + 2$$

$$\frac{-3}{-3/x}$$

$$\frac{x-2+2}{x}$$

$$\frac{-3 \cdot x \cdot x}{x}$$