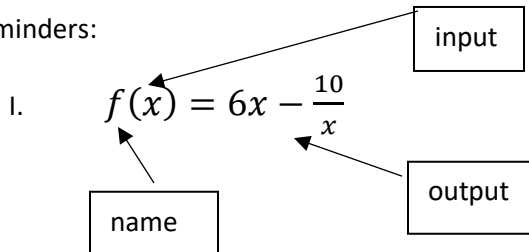


Reminders:



II. $f(-3) = 4$ is read “ f ” of -3 equals 4. ****Does not read f times -3 .

III. $f(-3) = 4$ can also be written as $-3 \rightarrow 4$ or as the ordered pair $(-3,4)$.

IV. To evaluate:

Given $f(x) = 6x - \frac{10}{x}$, find $f(-2)$.

Step 1: Substitute (-2) for each x .

$$f(-2) = 6(-2) - \frac{10}{(-2)}$$

Step 2: Perform the order of operations.

$$f(-2) = -12 - (-5)$$

$$f(-2) = -12 + 5$$

$$f(-2) = -7$$

***Recall *** $f(-2) = -7$ can be written as a mapping $-2 \rightarrow -7$ or as an ordered pair $(-2,-7)$

PRACTICE WORK ON BACK

1. Given $g(x) = 3x - 7$, find $g(4)$.

Step 1. Substitute (4) in for x.

Step 2: Perform the operations.

Step 3: Write in function notation $g(4) = \underline{\hspace{2cm}}$ Write as an ordered pair $\underline{\hspace{2cm}}$

Name the input value $\underline{\hspace{2cm}}$ Name the output value $\underline{\hspace{2cm}}$

2. Given $f(x) = 6x^2 - 2x$, find

a. $f(3)$. $f(3) = \underline{\hspace{2cm}}$

b. $f(-1)$. $f(-1) = \underline{\hspace{2cm}}$

b. Challenge $f\left(\frac{1}{2}\right)$. ****without a calculator**** $f\left(\frac{1}{2}\right) = \underline{\hspace{2cm}}$.

3. $h(x) = \frac{2x+3}{5}$

a. $h(6)$. $h(6) = \underline{\hspace{2cm}}$

b. $h(0)$. $h(0) = \underline{\hspace{2cm}}$

4. Complete the table.

X-input	Function rule $f(x) = -2x + \frac{8}{x}$	F(x) or Y output
-3		
$\frac{1}{2}$		
5		