

Warmup

1. Evaluate if $x=81$: $\sqrt{x}$

2. What is the probability of randomly picking a **vowel** from the word **Quadrilateral**?

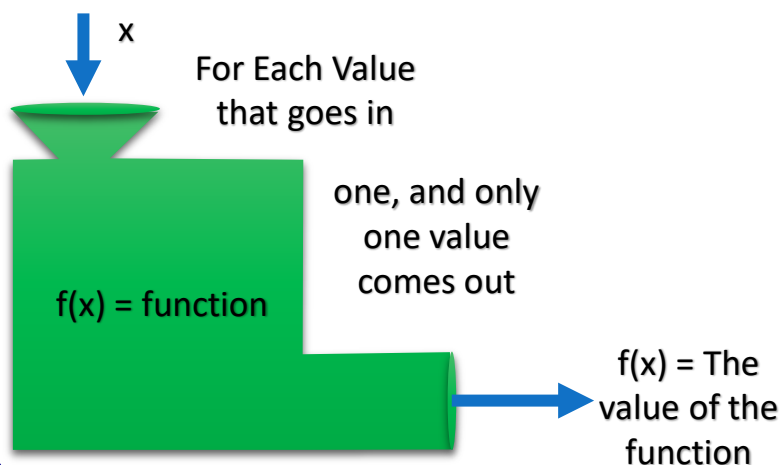
3.

Percent	Fraction	Decimal
	$\frac{3}{4}$	
90%		
		0.5

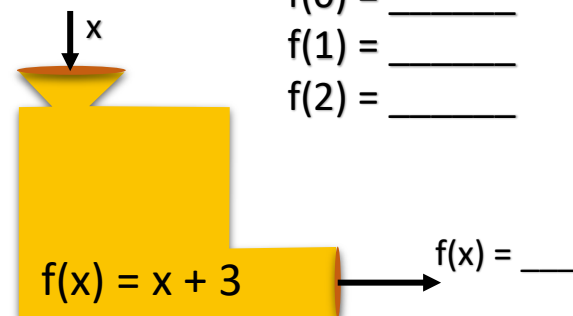
4. $-4(3 - 4 + -2) + 10^2 - \sqrt{25} - \frac{16}{4}$

I. Functions

Functions: for each x value, the function will return only 1 value.



The function $f(x) = x + 3$ increases a number by 3. Find the value of the function when $x=0$, $x=1$, and $x=2$.

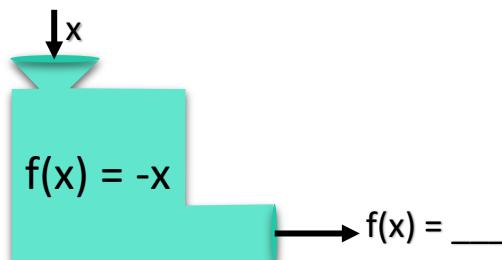


$$f(0) = \underline{\hspace{2cm}}$$

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

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

The function $f(x) = -x$ returns the opposite of a number. Find the value of the function when $x=1$, $x=5$, and $x=10$.

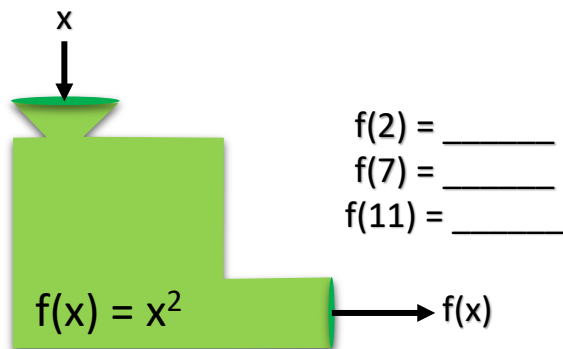


$$f(1) = \underline{\hspace{2cm}}$$

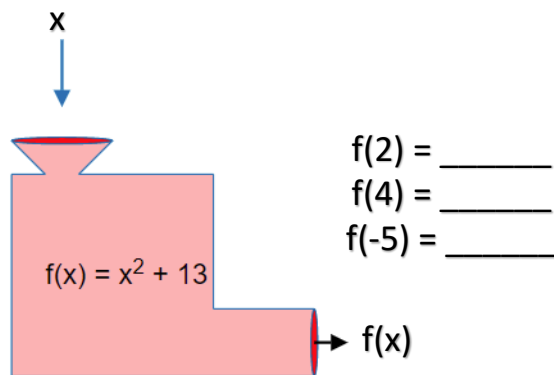
$$f(5) = \underline{\hspace{2cm}}$$

$$f(10) = \underline{\hspace{2cm}}$$

5. The formula $A=s^2$ is used to find the area of a square. The function $f(x)=x^2$ shows the relationship between the side of the square and the area. Calculate the value of the function, $f(x)=x^2$ at $x = 2$, $x=7$, and $x=11$.



6. What is the value of the function, $f(x)=x^2 + 13$ at $x = 2$, $x=4$, and $x=-5$?



IV. Practice

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