

Name:

ANSWERS!

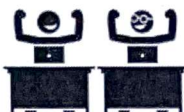
Class:



Communication



Successful Partnership



Encouragement



Solving Problem Together



Collaboration

Question 01

In function notation, $y = 2x + 3$ becomes

Just replace y with $f(x)$

Circle one →

$f(x) = 2x + 3$

$f(y) = 2x + 3$

$0 = 2x + 3$

Question 02

In function notation, how to do you say " $f(x) = 2x + 3$ "

$f(x)$ is f of x

Circle one →

" f of x equals two x plus three"

" f x equals two x plus three"

Question 03

For an equation to be a function, every x (input) has _____ y (output)

Circle one →

Infinite

zero

only one

↑
Same!
↓

Question 04

In function notation, every x (input) has _____ $f(x)$ (output)

Circle one →

Infinite

zero

only one

Question 05

Given that $f(x) = 6x - 2$, evaluate the function for $f(2)$.

Answer:
10

$$f(x) = 6x - 2$$

$$f(2) = 6(2) - 2$$

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

$$f(2) = 10$$

Question 06

Given that $f(x) = 6x - 2$, evaluate the function for $f\left(\frac{1}{2}\right)$.

Answer:
1

$$f(x) = 6x - 2$$

$$f\left(\frac{1}{2}\right) = 6\left(\frac{1}{2}\right) - 2$$

$$f\left(\frac{1}{2}\right) = 3 - 2$$

Question 07

Given that $g(x) = x^2 - x$, evaluate the function for $g(4)$.

Answer:
12

$$g(x) = x^2 - x$$

$$g(4) = 4^2 - 4$$

$$g(4) = 16 - 4$$

Question 08

Given that $g(x) = x^2 - x$, evaluate the function for $g(-5)$.

Answer:
30

$$g(x) = x^2 - x$$

$$g(-5) = (-5)^2 - (-5)$$

$$g(-5) = 25 + 5$$

Question 09

Given that $h(x) = \frac{36}{x}$, find the value of x for which $h(x) = 2$

Not $h(2)$!!! ↗

Answer:
18

$$h(x) = \frac{36}{x}$$

$$2 = \frac{36}{x}$$

Question 10

Given that $h(x) = \frac{36}{x}$, find the value of x for which $h(x) = -4$

Not $h(-4)$ ↗

Answer:
-9

$$h(x) = \frac{36}{x}$$

$$-4 = \frac{36}{x}$$