

Connecting Function Notation and Graphs...

1. Given the function $f(x) = 2x + 3$

a) Evaluate:

$$f(-2)$$

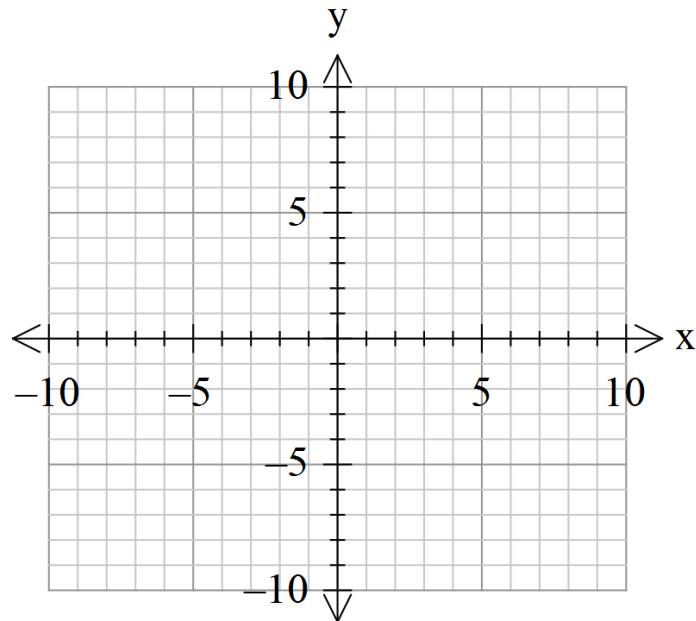
$$f(-1)$$

$$f(0)$$

$$f(1)$$

$$f(2)$$

b) Graph each of the coordinate on the Cartesian Plane below:



c) State the properties of the function above.

Domain:

Range:

Variation:

Maximum :

zeros :

Minimum:

Signs:

y-intercept:

2. Given the function $f(x) = -2x + 3$

a) Evaluate:

$$f(-2)$$

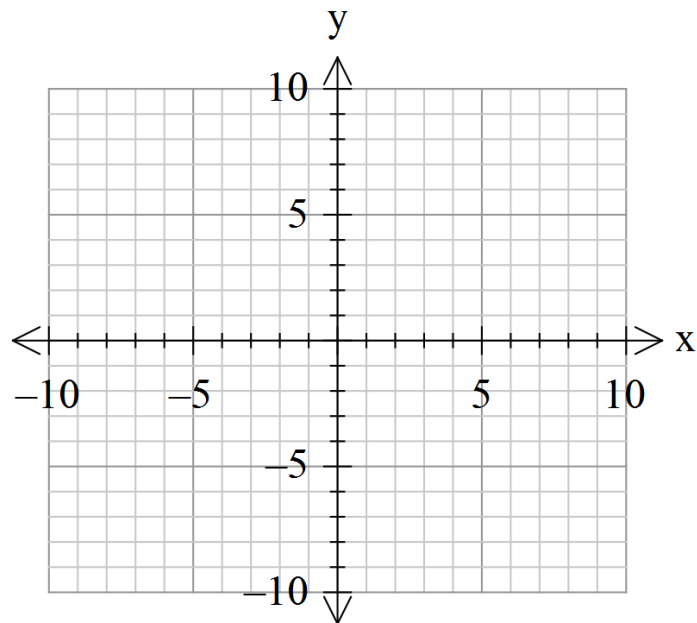
$$f(-1)$$

$$f(0)$$

$$f(1)$$

$$f(2)$$

b) Graph each of the coordinate on the Cartesian Plane below:



c) State the properties of the function above.

Domain:

Range:

Variation:

Maximum :

zeros :

Minimum:

Signs:

y-intercept:

3. Given the function $f(x) = 2x - 3$

a) Evaluate:

$$f(-2)$$

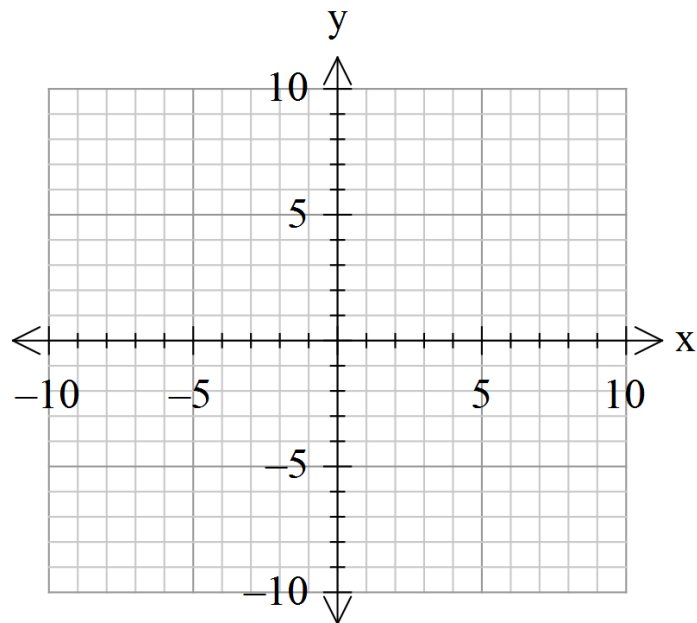
$$f(-1)$$

$$f(0)$$

$$f(1)$$

$$f(2)$$

b) Graph each of the coordinate on the Cartesian Plane below:



c) State the properties of the function above.

Domain:

Range:

Variation:

Maximum :

zeros :

Minimum:

Signs:

y-intercept:

4. Given the function $f(x) = -2x - 3$

a) Evaluate:

$$f(-2)$$

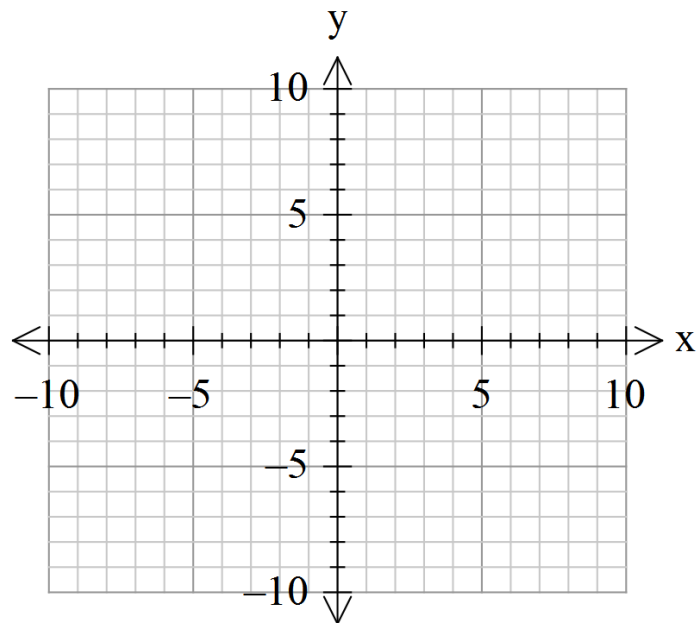
$$f(-1)$$

$$f(0)$$

$$f(1)$$

$$f(2)$$

b) Graph each of the coordinate on the Cartesian Plane below:



c) State the properties of the function above.

Domain:

Range:

Variation:

Maximum :

zeros :

Minimum:

Signs:

y-intercept: