

Find the Range of Functions Given Domain Values

When evaluating functions...
we **input** specific values and **output** resulting values

$$f(x) = x + 5$$

Evaluate $f(x)$ when $x = 2$;

Evaluate $f(x)$ when $x = -4$;

The **input** values are called **domain** values
The resulting **output** values are called **range** values

Given the following **function** determine the set of **range values** from the given set of **domain values**.

$$f(x) = 2x - 10$$

Domain, x	$2x - 10$	Range, $f(x)$
-2		
0		
3		
5		

Given the following function determine the set of range values from the given set of domain values.

$$f(x) = 4x + 5$$

Domain, x	$4x + 5$	Range, $f(x)$
-3		
-1		
2		
3		

Given the following function determine the set of range values from the given set of domain values.

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

Domain, x	$5 - 2x$	Range, $f(x)$
-2		
-1		
0		
4		

Given the following function determine the set of range values from the given set of domain values.

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

Domain, x	$x^2 - 2$	Range, $f(x)$
-3		
0		
1		
2		

