



Function Transformations (Domain/Range) - Single Transformed Domain/Range (Values) to Transformation

1

If the domain of $f(x)$ is $[a, b]$, which function $g(x)$ would have this domain?

$$\left[\frac{a}{0.33}, \frac{b}{0.33} \right]$$

A	B
$g(x) = 0.33f(x)$	$g(x) = f(0.33x)$

2

If the domain of $f(x)$ is $[a, b]$, which function $g(x)$ would have this domain?

$$\left[\frac{a}{0.25}, \frac{b}{0.25} \right]$$

A	B
$g(x) = 0.25f(x)$	$g(x) = f(0.25x)$

3

If the range of $f(x)$ is $[a, b]$, which function $g(x)$ would have this range?

$$[a + 4, b + 4]$$

A	B
$g(x) = f(x) - 4$	$g(x) = f(x) + 4$
$g(x) = f(x - 4)$	

4

If the domain of $f(x)$ is $[a, b]$, which function $g(x)$ would have this domain?

$$[a, b]$$

A	B
$g(x) = -f(x)$	$g(x) = f(-x)$

5

If the domain of $f(x)$ is $[a, b]$, which function $g(x)$ would have this domain?

$$\left[\frac{a}{0.2}, \frac{b}{0.2} \right]$$

A	B
$g(x) = 0.2f(x)$	$g(x) = f(0.2x)$

6

If the range of $f(x)$ is $[a, b]$, which function $g(x)$ would have this range?

$$[a - 3, b - 3]$$

A	B
$g(x) = f(x) - 3$	$g(x) = f(x) + 3$
$g(x) = f(x + 3)$	

7

If the range of $f(x)$ is $[a, b]$, which function $g(x)$ would have this range?

$$[a - 2, b - 2]$$

A	B
$g(x) = f(x) - 2$	$g(x) = f(x + 2)$
$g(x) = f(x) + 2$	

8

If the range of $f(x)$ is $[a, b]$, which function $g(x)$ would have this range?

$$[a + 5, b + 5]$$

A	B
$g(x) = f(x) - 5$	$g(x) = f(x) + 5$
$g(x) = f(x - 5)$	