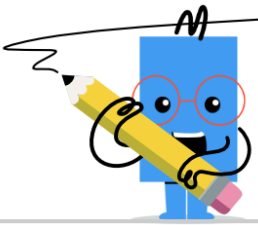
Name



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

1

$$[a, b]$$

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

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

2

$$[w \cdot a, w \cdot b]$$

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

A $g(x) = f(w \cdot x)$

B $g(x) = w \cdot f(x)$

3

$$[m \cdot a, m \cdot b]$$

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

A $g(x) = m \cdot f(x)$

B $g(x) = f(m \cdot x)$

4

$$[-b, -a]$$

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

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

5

$$[a - t, b - t]$$

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

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

B $g(x) = f(x + t)$

6

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

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

A	B
$g(x) = w \cdot f(x)$	$g(x) = f(w \cdot x)$

7

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

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

A	B
$g(x) = f(n \cdot x)$	$g(x) = n \cdot f(x)$

8

$$[r \cdot a, r \cdot b]$$

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

A $g(x) = r \cdot f(x)$

B $g(x) = f(r \cdot x)$