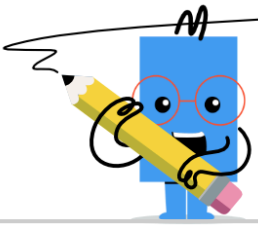
Name

Function Transformations (Vertex) - Single Transformed Vertex (Values) to Transformation



1

$$\left(\frac{a}{0.5}, b\right)$$

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

A	B
$g(x) = 0.5f(x)$	$g(x) = f(0.5x)$

2

$$\left(\frac{a}{5}, b\right)$$

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

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

3

$$(a, 0.2 \cdot b)$$

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

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

4

$$(a, 3 \cdot b)$$

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

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

5

$$(a - 5, b)$$

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

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

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

$$(a, b + 4)$$

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

7

$$(a, b - 3)$$

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

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

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

$$(a + 3, b)$$

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