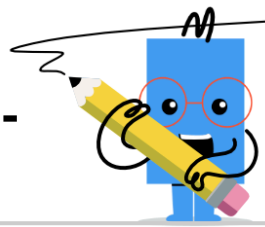
Name

Function Transformations (Definition) - Double Definition (Values) to Transformation



1

Which function g(x) shows these transformations of f(x)?

Reflect in Y-Axis
Shift up: 4

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

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

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

2

Which function g(x) shows these transformations of f(x)?

Vertical stretch: 2
Shift right: 4

A $g(x) = f(2x-4)$

B $g(x) = 2f(x-4)$

3

Which function g(x) shows these transformations of f(x)?

Horizontal compression: 5
Shift down: 4

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

B $g(x) = f(5x)-4$

C $g(x) = 5f(x)-4$

4

Which function g(x) shows these transformations of f(x)?

Shift left: 4
Shift up: 3

A $g(x) = f(x+4)+3$

B $g(x) = f(x-3)-4$

C $g(x) = f(x-4)+3$

5

Which function g(x) shows these transformations of f(x)?

Horizontal stretch: 0.2
Shift down: 2

A $g(x) = f(0.2x)-2$

B $g(x) = f(0.2x+2)$

C $g(x) = f(0.2x)+2$

6

Which function g(x) shows these transformations of f(x)?

Horizontal stretch: 0.2
Shift left: 4

A $g(x) = f(0.2x-4)$

B $g(x) = f(0.2x)-4$

C $g(x) = f(0.2x+4)$

7

Which function g(x) shows these transformations of f(x)?

Reflect in X-Axis
Shift left: 4

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

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

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

8

Which function g(x) shows these transformations of f(x)?

Horizontal stretch: 0.5
Shift down: 5

A $g(x) = f(0.5x)-5$

B $g(x) = 0.5f(x)-5$

C $g(x) = f(0.5x)+5$