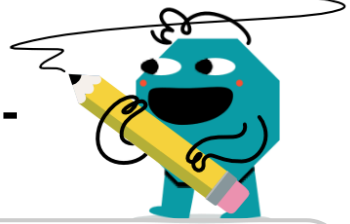
Name

Function Transformations (Definition) - Single Definition (Variables) to Transformation



1 Which function g(x) shows this transformation of f(x)?

Vertical compression: q

A $g(x) = q \cdot f(x)$, $q < 1$	B $g(x) = q \cdot f(x)$, $q > 1$
C $g(x) = f(q \cdot x)$, $q > 1$	

2 Which function g(x) shows this transformation of f(x)?

Horizontal compression: n

A $g(x) = f(n \cdot x)$, $n > 1$	B $g(x) = f(n \cdot x)$, $n < 1$
C $g(x) = n \cdot f(x)$, $n < 1$	

3 Which function g(x) shows this transformation of f(x)?

Vertical compression: t

A $g(x) = f(t \cdot x)$, $t > 1$	B $g(x) = t \cdot f(x)$, $t < 1$
C $g(x) = t \cdot f(x)$, $t > 1$	

4 Which function g(x) shows this transformation of f(x)?

Shift down: n

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

5 Which function g(x) shows this transformation of f(x)?

Reflect in Y-Axis

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

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

6 Which function g(x) shows this transformation of f(x)?

Shift down: p

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

7 Which function g(x) shows this transformation of f(x)?

Shift down: r

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

8 Which function g(x) shows this transformation of f(x)?

Horizontal compression: p

A $g(x) = p \cdot f(x)$, $p < 1$	B $g(x) = f(p \cdot x)$, $p < 1$
C $g(x) = f(p \cdot x)$, $p > 1$	