Name _____

---

1 What does this transformation produce in f(x)?

$$g(x) = p \cdot f(x + t)$$
$$p < 1$$

A	Horizontal compression: p Shift left: t	B	Vertical stretch: p Shift left: t
C	Vertical compression: p Shift left: t		

2 What does this transformation produce in f(x)?

$$g(x) = w \cdot f(x + r)$$
$$w > 1$$

A	Vertical stretch: w Shift left: r	B	Vertical stretch: w Shift down: r
C	Horizontal stretch: w Shift left: r		

3 What does this transformation produce in f(x)?

$$g(x) = -z \cdot f(x)$$
$$z < 1$$

A	Reflect in X-Axis Horizontal compression: z	B	Reflect in Y-Axis Vertical compression: z
C	Reflect in X-Axis Vertical compression: z		

4 What does this transformation produce in f(x)?

$$g(x) = -w \cdot f(x)$$
$$w < 1$$

A	Reflect in Y-Axis Vertical compression: w	B	Reflect in X-Axis Horizontal compression: w
C	Reflect in X-Axis Vertical compression: w		

5 What does this transformation produce in f(x)?

$$g(x) = f(q \cdot x + r)$$
$$q < 1$$

A	Horizontal compression: q Shift left: r	B	Horizontal stretch: q Shift left: r
C	Vertical stretch: q Shift left: r		

6 What does this transformation produce in f(x)?

$$g(x) = m \cdot f(-x)$$
$$m > 1$$

A	Reflect in Y-Axis Vertical compression: m	B	Reflect in Y-Axis Vertical stretch: m
C	Reflect in X-Axis Vertical stretch: m		

7 What does this transformation produce in f(x)?

$$g(x) = f(x + n) - p$$

A	Shift left: n Shift down: p	B	Shift right: n Shift down: p	C	Shift left: p Shift down: n

8 What does this transformation produce in f(x)?

$$g(x) = f(w \cdot x) - m$$
$$w < 1$$

A	Vertical stretch: w Shift down: m	B	Horizontal stretch: w Shift down: m
C	Horizontal stretch: w Shift left: m		