Name

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

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

A Horizontal stretch: z	B Vertical stretch: z
C Horizontal compression: z	

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

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

A Vertical stretch: m	B Vertical compression: m
C Horizontal compression: m	

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

$$g(x) = f(x + m)$$

A Shift left: m	B Shift right: m

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

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

A Vertical compression: t	B Vertical stretch: t
C Horizontal compression: t	

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

$$g(x) = f(x + r)$$

A Shift right: r
B Shift left: r

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

$$g(x) = n \cdot f(x)$$
$$n < 1$$

A Vertical compression: n	B Vertical stretch: n
C Horizontal compression: n	

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

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

A Reflect in Y-Axis
B Reflect in X-Axis

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

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

A Shift down: r
B Shift up: r