Name _____

1

If the vertex of f(x) is (a,b), what is the vertex of g(x)?

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

A $\quad (\frac{a}{n}, b)$

B $\quad (a, n \cdot b)$

2

If the vertex of f(x) is (a,b), what is the vertex of g(x)?

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

A $\quad (\frac{a}{t}, b)$

B $\quad (a, t \cdot b)$

3

If the vertex of f(x) is (a,b), what is the vertex of g(x)?

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

A $\quad (a - t, b)$

B $\quad (a + t, b)$

4

If the vertex of f(x) is (a,b), what is the vertex of g(x)?

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

A $\quad (-a, b)$

B $\quad (a, -b)$

5

If the vertex of f(x) is (a,b), what is the vertex of g(x)?

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

A $\quad (a, b + p)$

B $\quad (a, b - p)$

6

If the vertex of f(x) is (a,b), what is the vertex of g(x)?

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

A $\quad (a + q, b)$

B $\quad (a - q, b)$

7

If the vertex of f(x) is (a,b), what is the vertex of g(x)?

$$g(x) = p \cdot f(x)$$

A $\quad (a, p \cdot b)$

B $\quad (\frac{a}{p}, b)$

8 If the vertex of f(x) is (a,b), what is the vertex of g(x)?

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

A $\quad (a + n, b)$

B $\quad (a - n, b)$