

Math C

Determine the graphical transformation of  $g(x)$ , from its mother function,  $f(x)$ .

1.  $g(x) = f(x) + 5$

2.  $g(x) = f(x + 5)$

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

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

5.  $g(x) = 3 \cdot f(x)$

6.  $g(x) = f(3 \cdot x)$

7.  $g(x) = f(x - 6)$

8.  $g(x) = f(x) - 9$

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

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

11.  $g(x) = \frac{1}{2}f(x)$

12.  $g(x) = f(\frac{1}{2}x)$