

**Translation - Function**

Sheet 1

Write the translated function.

1)  $f(x) = 12x + 3$  ; shifts 2 units left.

$$g(x) = \underline{\hspace{2cm}}$$

2)  $f(x) = -7x - 4$  ; shifts 5 units down.

$$g(x) = \underline{\hspace{2cm}}$$

3)  $f(x) = 11x + 10$  ; shifts 3 units up.

$$g(x) = \underline{\hspace{2cm}}$$

4)  $f(x) = 8x - 6$  ; shifts 7 units right.

$$g(x) = \underline{\hspace{2cm}}$$

5)  $f(x) = -5x + 7$  ; shifts 1 unit left.

$$g(x) = \underline{\hspace{2cm}}$$

6)  $f(x) = 6x - 12$  ; shifts 4 units down.

$$g(x) = \underline{\hspace{2cm}}$$