

**Translation - Function**

Sheet 4

Write the translated function.

1)  $f(x) = 3x - 6$  ; shifts 5 units left.

$g(x) =$  \_\_\_\_\_

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

$g(x) =$  \_\_\_\_\_

3)  $f(x) =$  \_\_\_\_\_

$g(x) =$  \_\_\_\_\_

4)  $f(x) =$  \_\_\_\_\_

$g(x) =$  \_\_\_\_\_

5)  $f(x) =$  \_\_\_\_\_

$g(x) =$  \_\_\_\_\_

6)  $f(x) = -x + 2$  ; shifts 8 units up.

$g(x) =$  \_\_\_\_\_

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**Answer key****Translation - Function**

Sheet 4

Write the translated function.

1)  $f(x) = 3x - 6$  ; shifts 5 units left.

$g(x) = \underline{\quad 3x + 9 \quad}$

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

$g(x) =$

3)  $f(x) =$

$g(x) =$

4)  $f(x) =$

$g(x) =$

5)  $f(x) =$

$g(x) = \underline{\quad 9x + 69 \quad}$

6)  $f(x) = -x + 2$  ; shifts 8 units up.

$g(x) = \underline{\quad -x + 10 \quad}$

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