

**Translation - Function**

Sheet 3

Write the translated function.

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

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

2)  $f(x) = -5x + 8$  ; shifts 9 units left.

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

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

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

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

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

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

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

6)  $f(x) = 7x + 14$  ; shifts 7 units left.

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

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

Sheet 3

Write the translated function.

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

$g(x) = \underline{\quad -6x - 9 \quad}$

2)  $f(x) = -5x + 8$  ; shifts 9 units left.

$g(x) =$

3)  $f(x) =$

$g(x) =$

4)  $f(x) =$

$g(x) =$

5)  $f(x) =$

$g(x) = \underline{\quad 11x - 5 \quad}$

6)  $f(x) = 7x + 14$  ; shifts 7 units left.

$g(x) = \underline{\quad 7x + 63 \quad}$

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