

**Translation - Function**

Sheet 5

Write the translated function.

1)  $f(x) = 12x - 8$  ; shifts 4 units down.

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

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

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

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

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

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

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

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

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

6)  $f(x) = 8x - 10$  ; shifts 7 units down.

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

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

Sheet 5

Write the translated function.

1)  $f(x) = 12x - 8$  ; shifts 4 units down.

$g(x) = \underline{12x - 12}$

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

$g(x) =$

3)  $f(x) =$

$g(x) =$

4)  $f(x) =$

$g(x) =$

5)  $f(x) =$

$g(x) = \underline{-7x + 39}$

6)  $f(x) = 8x - 10$  ; shifts 7 units down.

$g(x) = \underline{8x - 17}$

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