

## Reflection

Sheet 4

If  $g(x)$  is a reflection of  $f(x)$  across the given axis, then find  $g(x)$ .

1)  $f(x) = 9x - 3$  ; reflection across the  $y$ -axis.

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

2)  $f(x) = -6x + 14$  ; reflection across the  $y$ -axis.

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

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

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

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

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

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

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

6)  $f(x) = 13x - 5$  ; reflection across the  $x$ -axis.

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

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**Answer key****Reflection**

Sheet 4

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1)  $f(x) = 9x - 3$  ; reflection across the  $y$ -axis.

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

2)  $f(x) = -6x + 14$  ; reflection across the  $y$ -axis.

$g(x) =$

3)  $f(x) =$

$g(x) =$

4)  $f(x) =$

$g(x) =$

5)  $f(x) =$

$g(x) = \underline{\quad -8x + 2 \quad}$

6)  $f(x) = 13x - 5$  ; reflection across the  $x$ -axis.

$g(x) = \underline{\quad -13x + 5 \quad}$

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