

Reflection - Function

Sheet 3

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

1) $f(x) = -2x^2 + 4x + 32$; reflection across the x -axis.

2) $f(x) = x^2 - 14x + 8$; reflection across the x -axis.

3) $f(x) = -x^2 -$

4) $f(x) = 4x^2 +$

5) $f(x) = 6x^2 +$

6) $f(x) = -8x^2 + 3x - 10$; reflection across the y -axis.

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Answer key**Reflection - Function**

Sheet 3

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

1) $f(x) = -2x^2 + 4x + 32$; reflection across the x -axis.

$$g(x) = 2x^2 - 4x - 32$$

2) $f(x) = x^2 - 14x + 8$; reflection across the x -axis.

$$g(x) = -x^2 +$$

3) $f(x) = -x^2 -$

$$g(x) = -x^2 +$$

4) $f(x) = 4x^2 +$

$$g(x) = 4x^2 -$$

5) $f(x) = 6x^2 +$

$$g(x) = -6x^2 - 10x + 1$$

6) $f(x) = -8x^2 + 3x - 10$; reflection across the y -axis.

$$g(x) = -8x^2 - 3x - 10$$

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