

Reflection - Function

Sheet 1

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

1) $f(x) = 3x^2 + 5x + 6$; reflection across the x -axis.

2) $f(x) = -5x^2 + 8x + 12$; reflection across the y -axis.

3) $f(x) = x^2 - 6$.

4) $f(x) = -7x^2 -$

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

6) $f(x) = x^2 - 4x + 3$; reflection across the y -axis.

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Answer key**Reflection - Function**

Sheet 1

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

1) $f(x) = 3x^2 + 5x + 6$; reflection across the x -axis.

$$g(x) = -3x^2 - 5x - 6$$

2) $f(x) = -5x^2 + 8x + 12$; reflection across the y -axis.

$$g(x) = -5x^2$$

3) $f(x) = x^2 - 6$.

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

4) $f(x) = -7x^2 -$

$$g(x) = -7x^2$$

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

$$g(x) = x^2 - 2x + 27$$

6) $f(x) = x^2 - 4x + 3$; reflection across the y -axis.

$$g(x) = x^2 + 4x + 3$$

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