

**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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