

Algebra 2: Semester 1 Final Exam Review**Multiple Choice**

Identify the choice that best completes the statement or answers the question.

1. Using the graph of $f(x) = x^2$ as a guide, describe the transformations, and then graph the function $g(x) = (x + 6)^2 - 2$.

a. $g(x)$ is $f(x)$ translated 2 units right and 6 units up.



b. $g(x)$ is $f(x)$ translated 6 units left and 2 units down.



c. $g(x)$ is $f(x)$ translated 2 units left and 6 units down.



d. $g(x)$ is $f(x)$ translated 6 units right and 2 units up.



2. Identify the axis of symmetry for the graph of $f(x) = x^2 + 2x - 3$.

a. $x = -1$
 b. $y = -4$
 c. $y = -1$
 d. $x = -4$

2nd Semester Algebra 1 Review

M Mosston



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