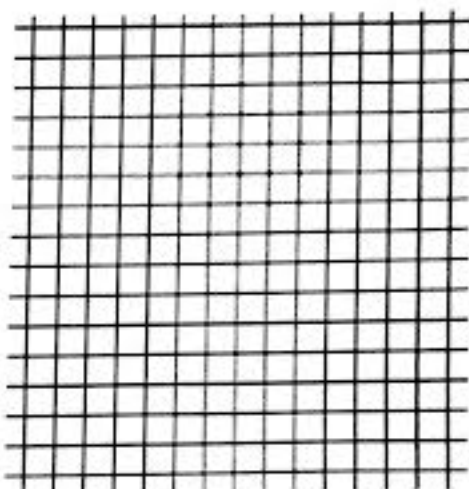
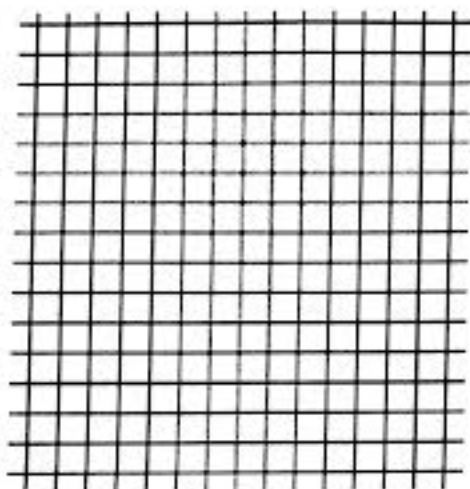


Graph each function. Show work to support your knowledge of graphing.

* label the axis of symmetry + show as much work as possible

Ⓐ $y = 2x^2 - 3$

b. $y = -6x^2 - x + 2$



Use the graph to answer Questions 8-12.

- ___ Ⓐ The function's "c" value is ?
 A. 6 B. 1 C. -3 D. -1 E. None of These
- ___ Ⓑ The axis of symmetry is $x = ?$
 A. 6 B. 1 C. -3 D. -1 E. None of These
- ___ Ⓒ The location of the vertex is $(-1, ?)$
 A. 6 B. 1 C. -3 D. -1 E. None of These
- ___ Ⓓ This parabola opens the same way as ?
 A. $y = -x^2$ B. $y = \frac{1}{4}x^2 - 3x$
 C. Neither A. nor B. D. Both A. and B.
- ___ Ⓔ The parabola has the same axis of symmetry as ?
 A. $y = -3x^2 - 6x + 1$ B. $y = x^2 + 2x + 3$
 C. Neither A. nor B. D. Both A. and B.
- ___ Ⓕ Which equation represents a quadratic function?
 A. $y = 3x + 4x + 1$ B. $y = 3x + 7$
 C. $y = x^2 + 2x - 3$ D. None of These.

