

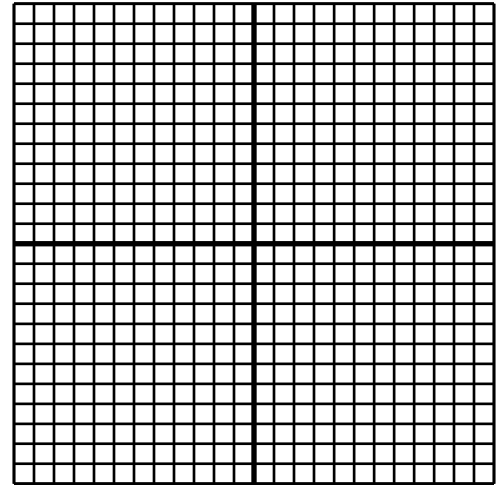
Finding the Vertex of Quadratic Functions by Completing the Square B

Name: _____

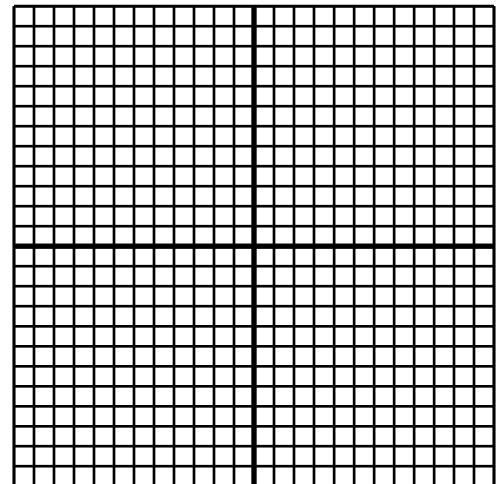
Period: _____

Directions: Find the vertex of each quadratic function using completing the square. Then graph the function.
Show all work.

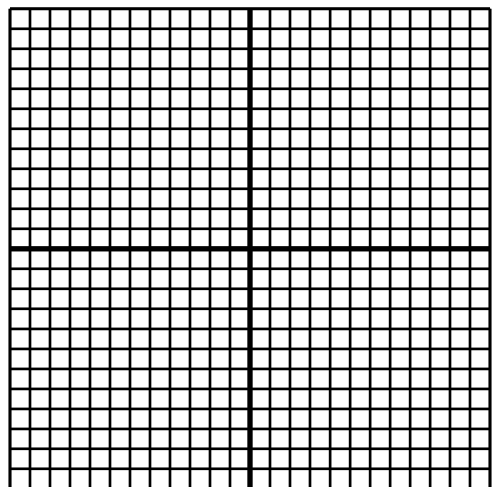
1. $f(x) = 2x^2 + 8x - 1$



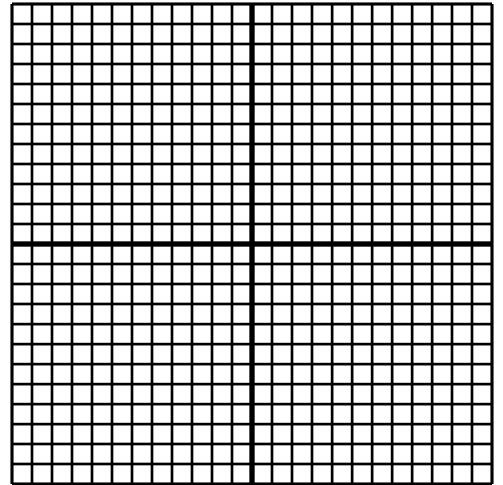
2. $f(x) = -x^2 + 6x + 2$



3. $f(x) = -2x^2 + 16x - 23$



4. $f(x) = 3x^2 - 12x + 4$



5. $f(x) = -x^2 - 16x - 55$

