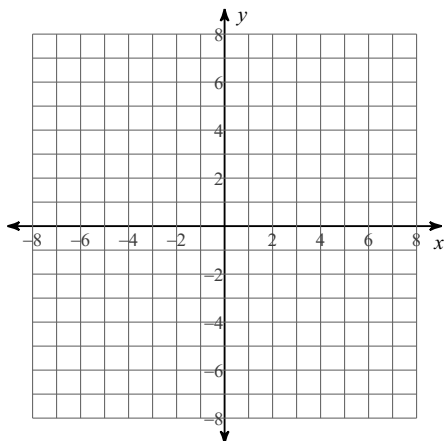


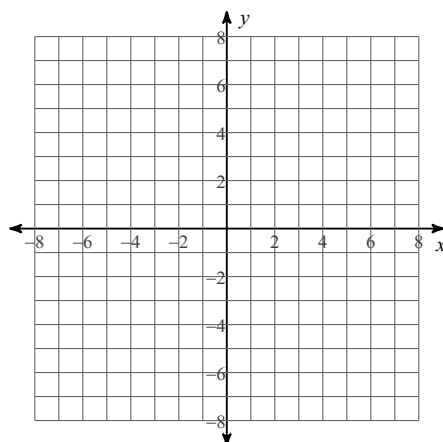
## Vertex Form Practice

Identify the vertex, axis of symmetry, and min/max value of each. Then sketch the graph.

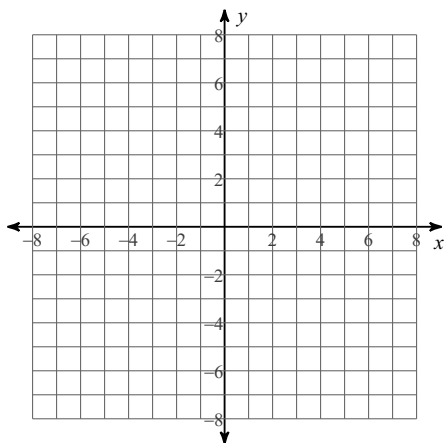
1)  $f(x) = -(x - 3)^2 + 2$



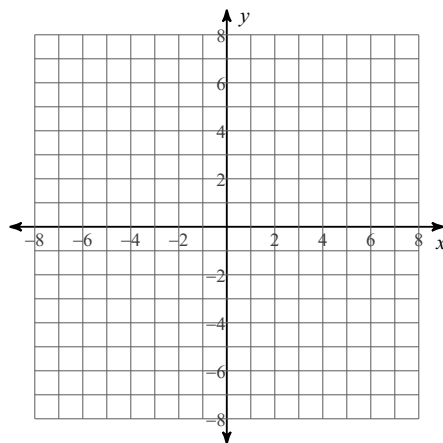
2)  $f(x) = \frac{1}{4}(x + 1)^2 - 3$



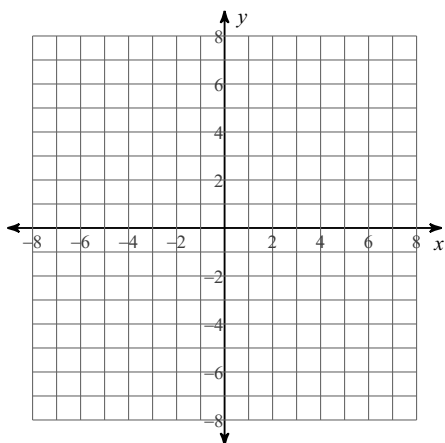
3)  $f(x) = (x - 2)^2 - 4$



4)  $f(x) = (x + 6)^2 + 2$



5)  $f(x) = -2(x + 3)^2 - 3$



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

