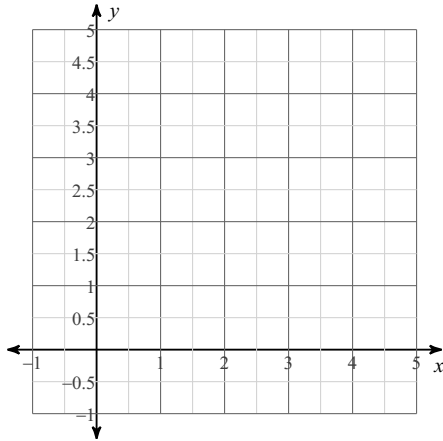


Graphing Quadratics in Standard Form

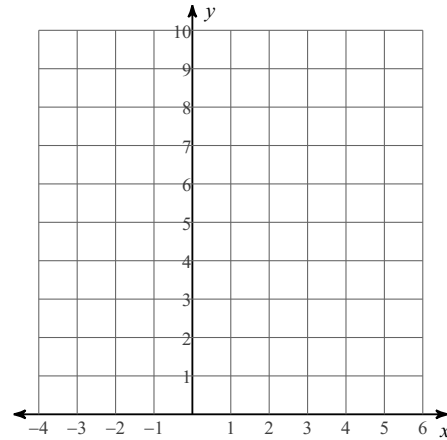
Complete the following steps for each problem:

- (a) Identify a, b & c (b) Find and Graph the Axis of Symmetry. (c) Find and graph the Vertex (d) Create the table of values and then finally (e) Sketch the graph of each function.**

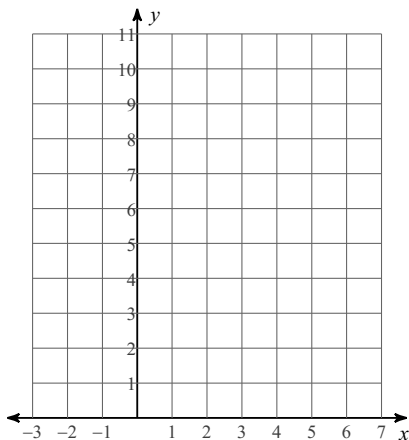
1) $f(x) = -\frac{1}{2}x^2 + 2x + 1$



2) $f(x) = 2x^2 - 8x + 9$



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



4) $f(x) = x^2 - 8x + 17$

