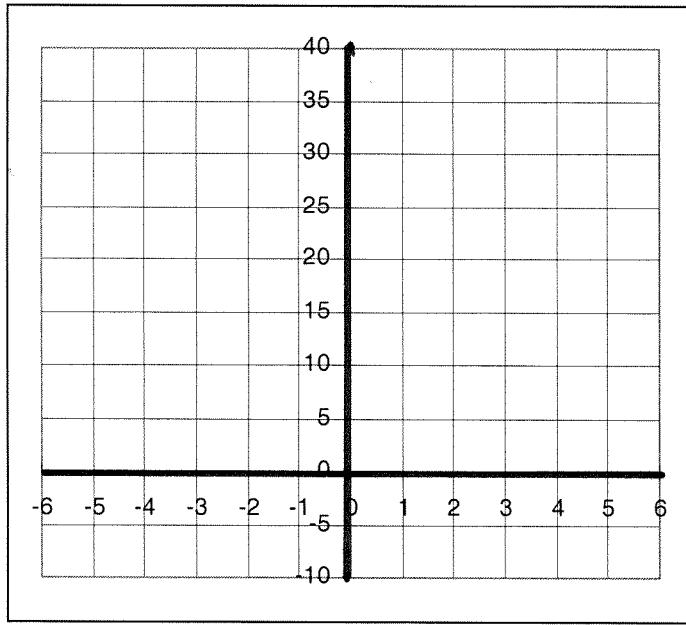


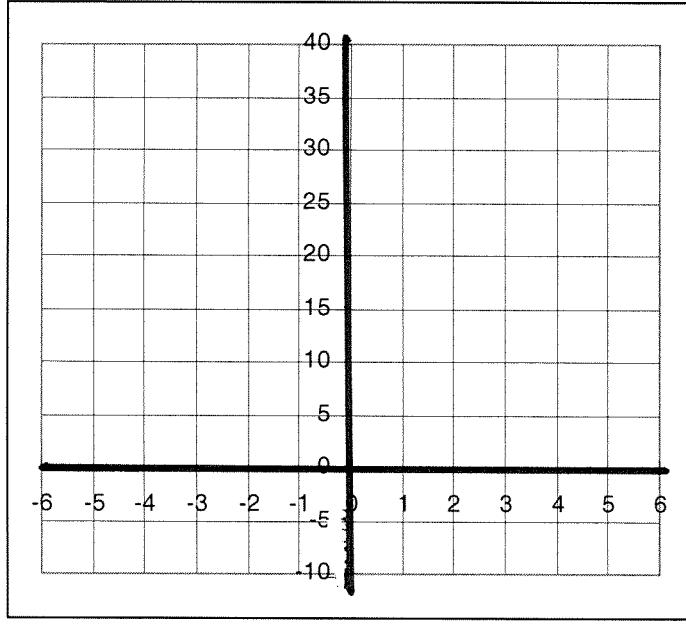
2. Sketch a graph of each of these quadratic functions on the same pair of axes.

a. $f(x) = x^2$ b. $g(x) = x^2 + 2$ c. $h(x) = x^2 - 4$



3. Sketch a graph of each of these quadratic functions on the same pair of axes.

a. $f(x) = (x - 2)^2$ b. $g(x) = (x + 3)^2$ c. $h(x) = (x - 1)^2 + 4$



4. Predict the shape and placement of the graph of $f(x) = -2(x - 4)^2 + 5$.