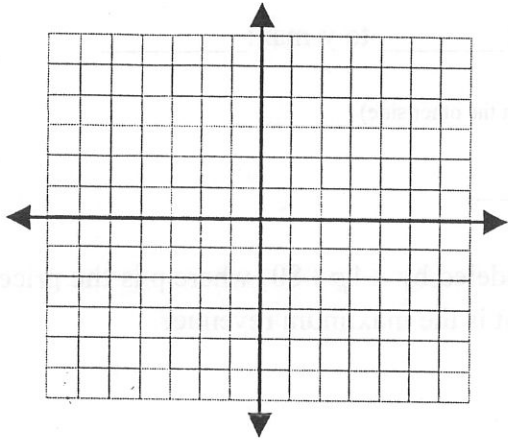
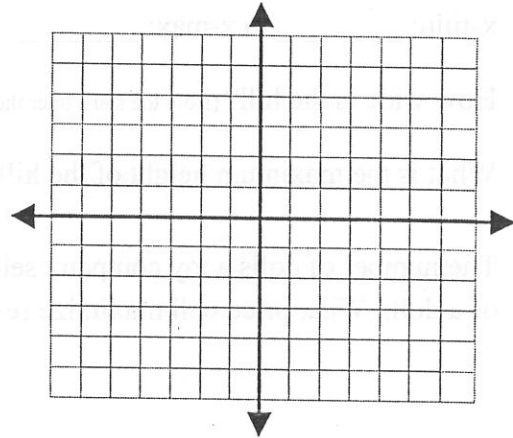


4. Do not use a calculator. Graph the following. Tables of x and y-values are not needed. You must plot the 5 "key" points, wherever they end up after transformation.

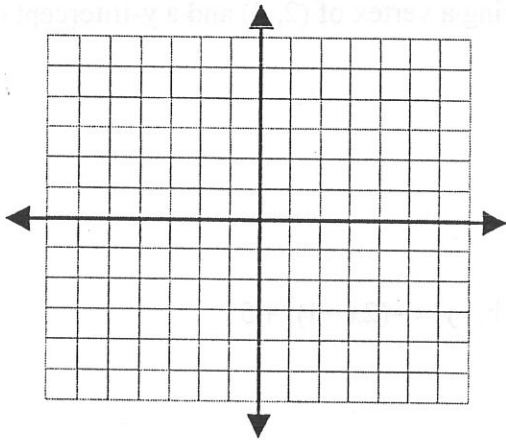
a.  $f(x) = -(x+1)^2 + 4$



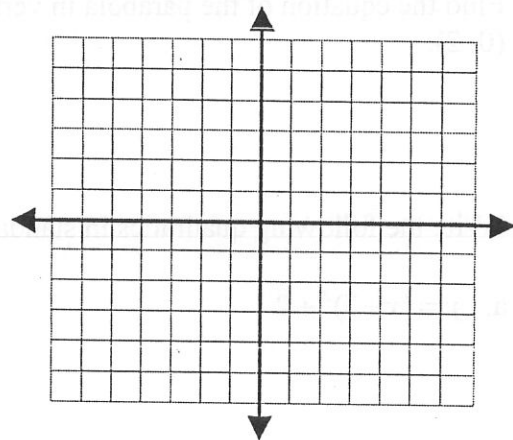
b.  $f(x) = (x-3)^2$



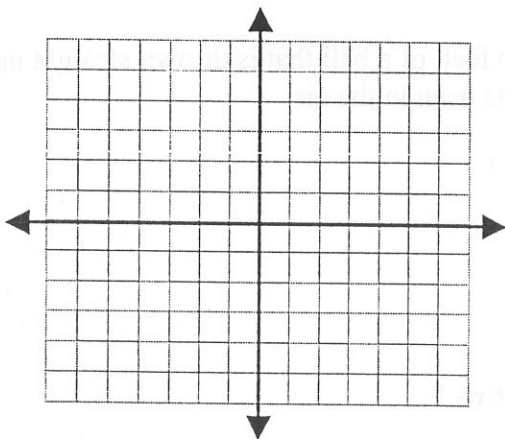
c.  $f(x) = -(x+4)^2 - 2$



d.  $f(x) = 2x^2 - 5$



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



f.  $f(x) = -3(x-1)^2 + 6$

