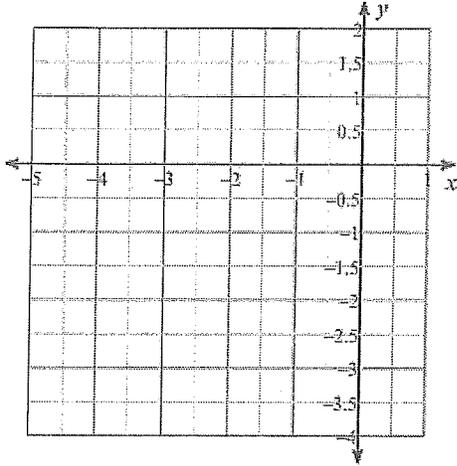


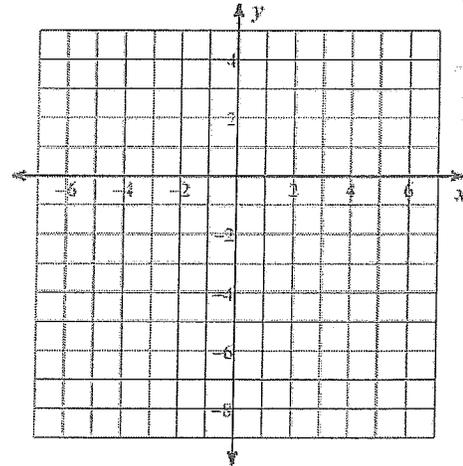
Quadratic Functions and Graphs Problem Set

Create a table of values for each function. In addition, identify the coordinate points of the vertex and x-intercepts as well as determine the facing of the graph and the type of vertex it has.

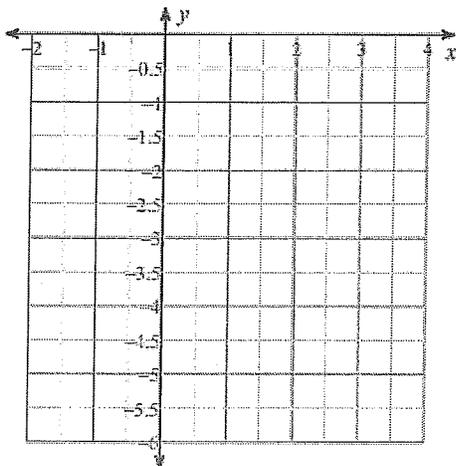
1) $y = x^2 + 6x + 6$



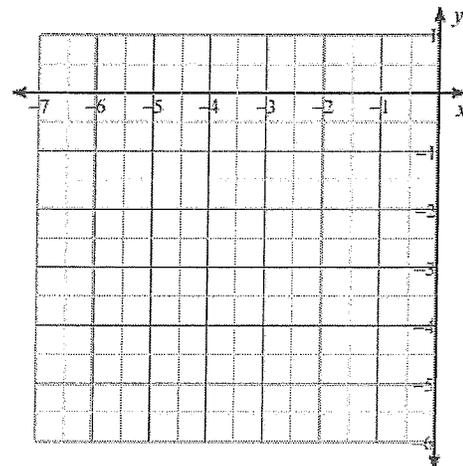
2) $y = -3x^2 + 6x + 1$



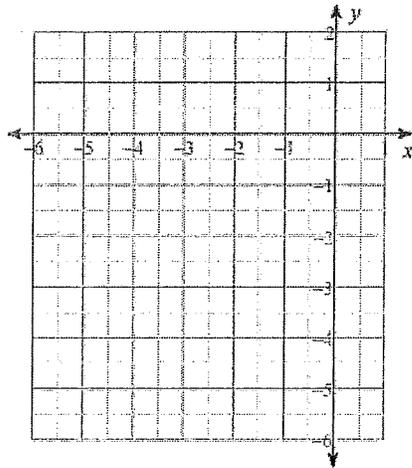
3) $y = -x^2 + 2x - 2$



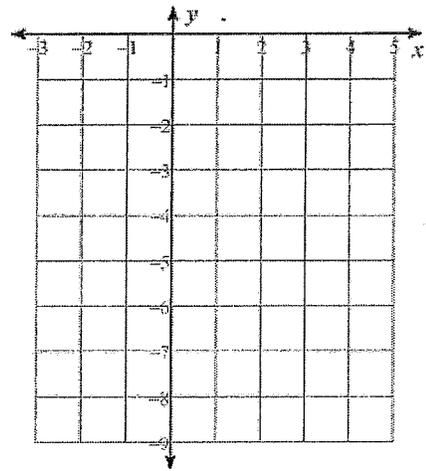
4) $y = \frac{1}{2}x^2 + 4x + 4$



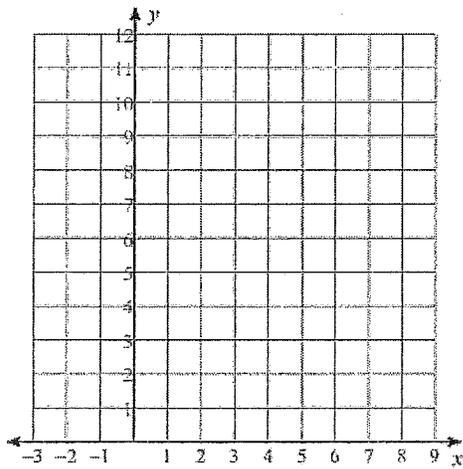
$$5) y = -\frac{1}{2}x^2 - 4x - 9$$



$$6) y = -x^2 + 4x - 8$$



$$7) y = 2x^2 - 4x + 5$$



$$8) y = -x^2 + 6x - 5$$

