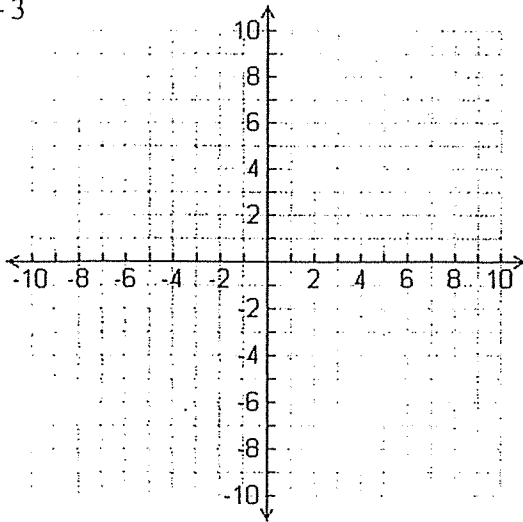


Assignment #9

Graphing Quadratics

Graph each of the following quadratic functions. Find the vertex, equation for the axis of symmetry, x-intercepts (as coordinates), and y-intercept (as a coordinate).

1) $y = x^2 - 4x + 3$



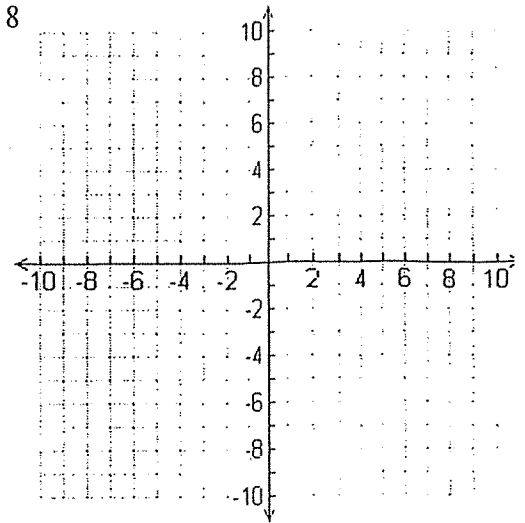
vertex: _____

axis of symmetry: _____

x-intercepts: _____

y-intercept: _____

2) $y = x^2 - 2x - 8$



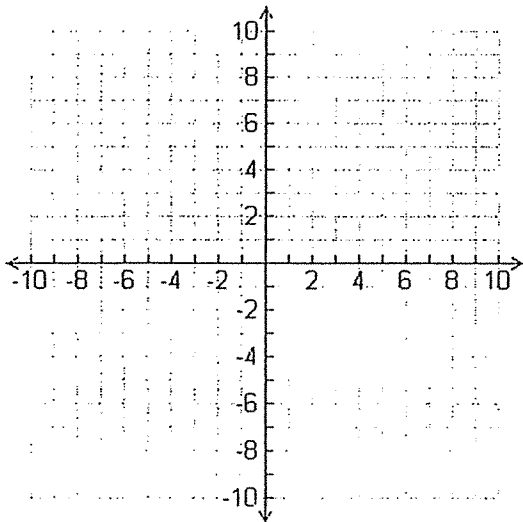
vertex: _____

axis of symmetry: _____

x-intercepts: _____

y-intercept: _____

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



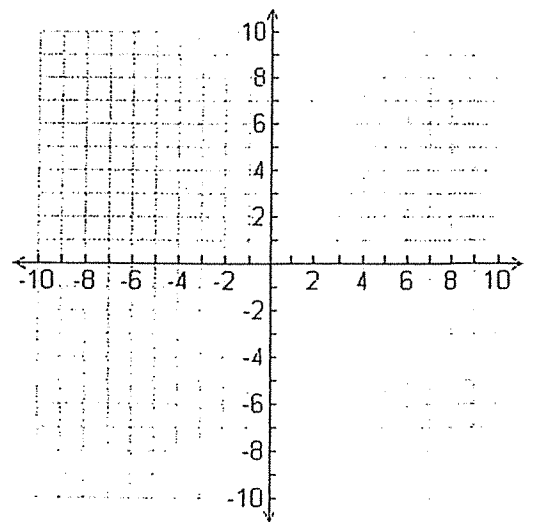
vertex: _____

axis of symmetry: _____

x-intercepts: _____

y-intercept: _____

4) $y = x^2 + 4x$



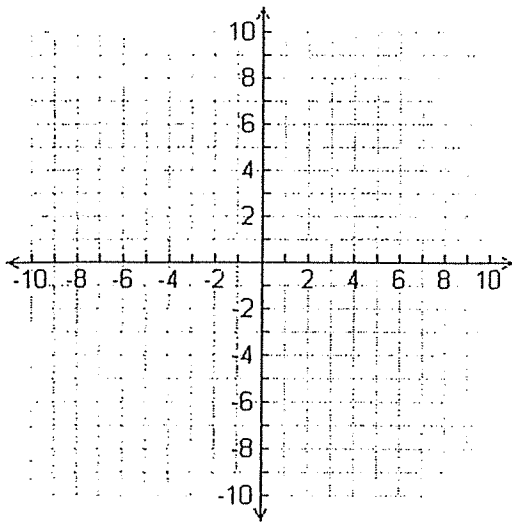
vertex: _____

axis of symmetry: _____

x-intercepts: _____

y-intercept: _____

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



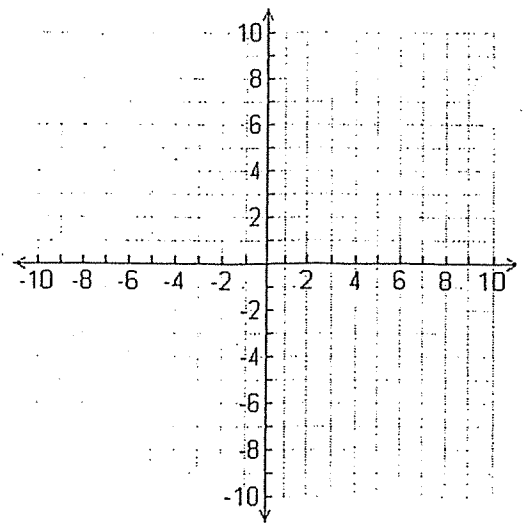
vertex: _____

axis of symmetry: _____

x-intercepts: _____

y-intercept: _____

6) $y = 4x^2 - 12x + 5$



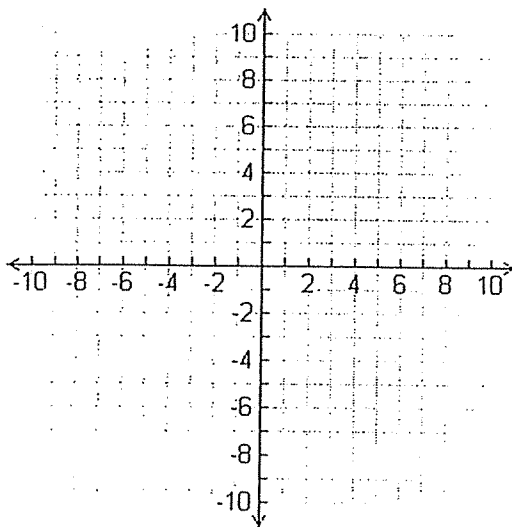
vertex: _____

axis of symmetry: _____

x-intercepts: _____

y-intercept: _____

7) $y = -x^2 - 6x - 5$



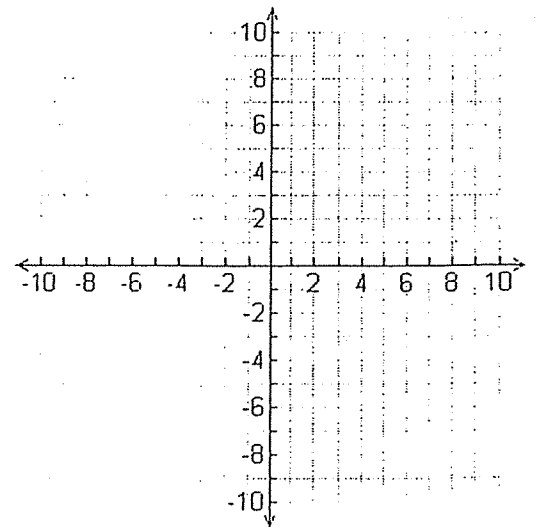
vertex: _____

axis of symmetry: _____

x-intercepts: _____

y-intercept: _____

8) $y = x^2 - 9$



vertex: _____

axis of symmetry: _____

x-intercepts: _____

y-intercept: _____