

Name:

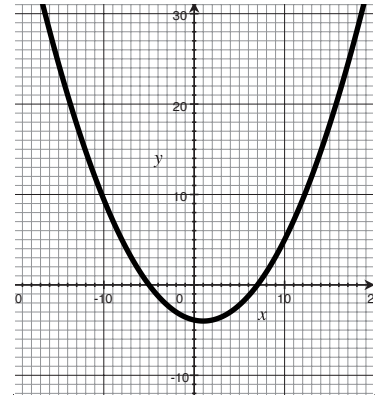
Math 2

Date:

Practice Quiz 6-A

1. Identify the following for the parabola at right.

- a) vertex
- b) axis of symmetry
- c) x-intercepts (if any)
- d) maximum or minimum
- e) domain
- f) range



2. List the following parabolas in order from narrowest to widest.

$a(x) = x^2$ • $b(x) = -4.5x^2 + x$ • $c(x) = \frac{1}{2}x^2 + 30$ • $d(x) = 24x^2 + 9x + 1$ • $e(x) = 0.15x^2$

Narrow ← _____ → Wide

3. Use function notation to identify several points on the parabola. Then plot the points to sketch the parabola. Label the coordinates of each point.

a) $a(x) = 0.2x^2$

