

9.1 Home work

1) List the quadratics from widest to narrowest

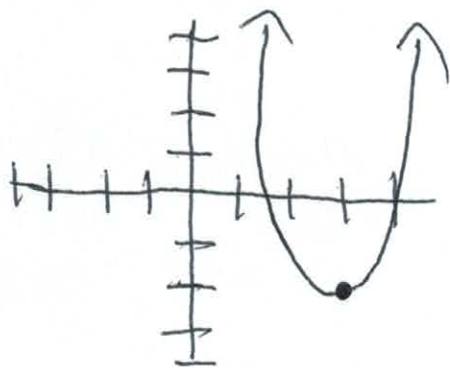
$$2x^2, -\frac{1}{2}x^2, \frac{1}{6}x^2, 10x^2$$

2) List all the ways the graph of $y = -3x + 2$ is different than $y = x^2$

3) Will the vertex of $y = 5x^2 + 4x + 3$ be a minimum or a maximum?

4) What is the vertex of $y = 3x^2$?

5) Find the domain, range, axis of symmetry, and vertex for this graph



Domain:

Range:

Aos:

vertex: