

Homework #13 Properties of Parabolas

Identify the vertex of the parabola.

1. $y = -x^2 + 18x - 75$

2. $y = -3x^2 + 12x - 10$

3. $y = 2x^2 - 4x - 2$

Identify the vertex, axis of symmetry, and min/max value of each.

1. $f(x) = -2x^2 - 36x - 164$

2. $f(x) = -6x^2 + 12x - 4$

3. $f(x) = -7x^2 + 14x - 15$