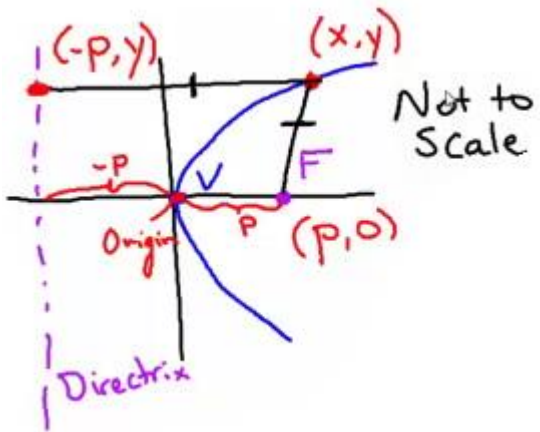


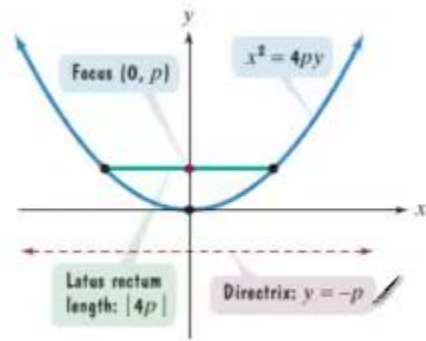
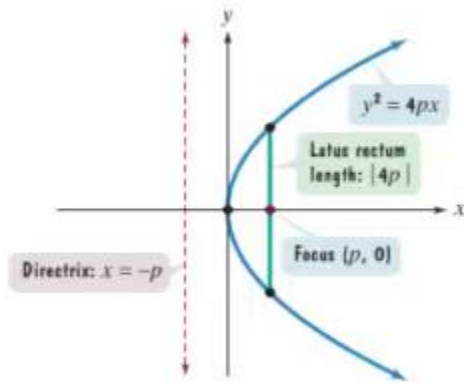
Conic Sections Parabola

Parabola –



Equation	Vertex	Axis of Symmetry	Focus	Directrix	Description

The Latus Rectum and Graphing Parabolas



$$y^2 = -12x$$

$$(x + 2)^2 = -8(y - 1)$$

$$y^2 - 2y - 8x + 1 = 0$$

$$F(0,20) \quad y = -20 \text{ directrix}$$

$$V(5, -2) \quad F(7, -2)$$

$$F(7, -1) \quad y = -9 \text{ directrix}$$