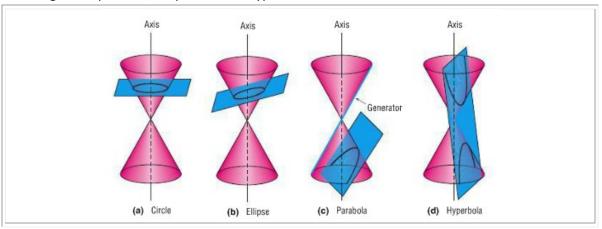
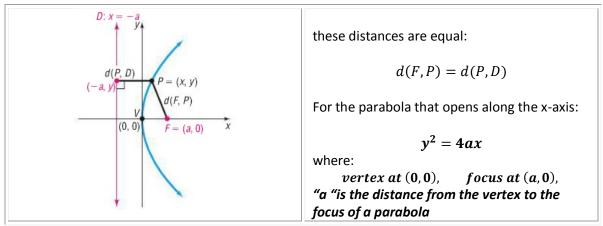
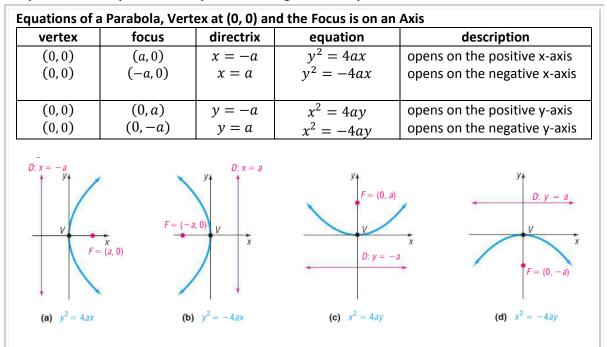
Precalculus Lesson 10.1 and 10.2: Conics and the Parabola Mrs. Snow, Instructor



Conic sections are curves that result from the intersection of a cone and a plane. We will be looking at the parabola, ellipse and the hyperbola.

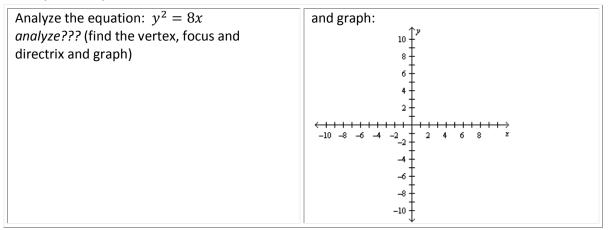
Parabola: A collection, or locus, of all points P in the plane that are the same distance from a fixed point as they are from a fixed line. The point F is the **focus** and the line is its **directrix.**

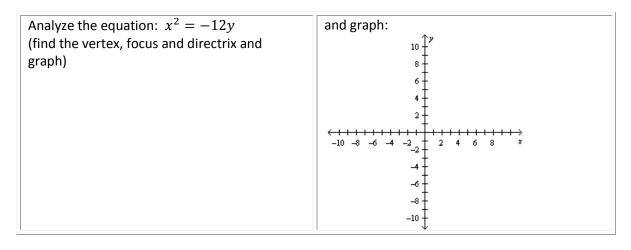




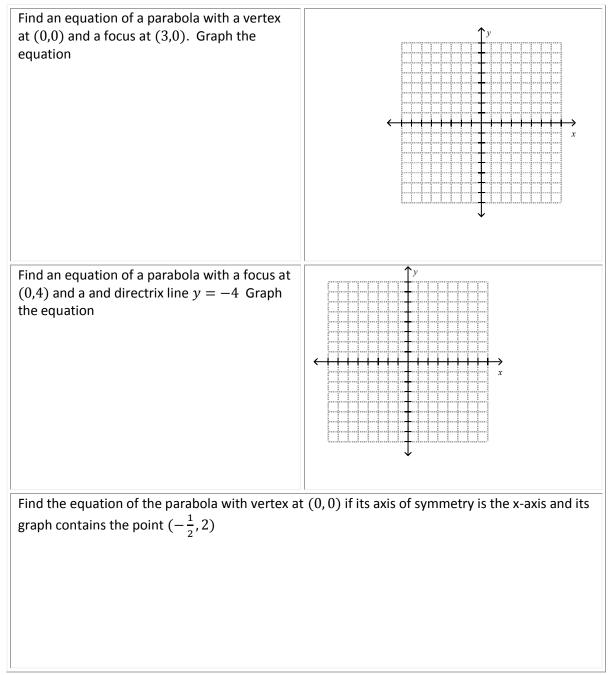
A parabola will open onto the positive or negative x- or y-axes:

Analyze the Equation of a Parabola

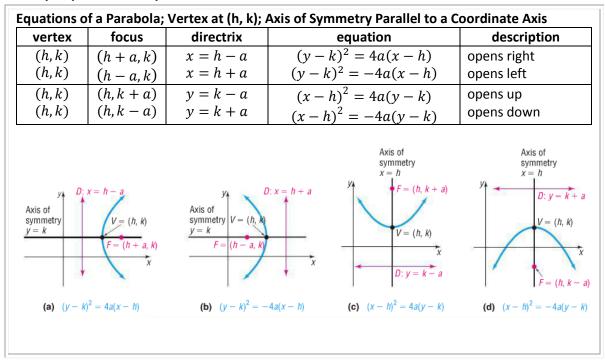




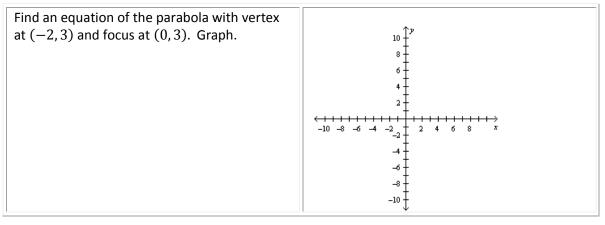
Graphing and Finding Equations of Parabolas



And yes, parabolas may be translated:	And y	yes, par	abolas	may I	be tran	slated:
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Finding the Equation of a Parabola, Vertex Not at the Origin



Analyzing the Equation of a Parabola, (find the vertex, focus and directrix and graph)

