

Name: _____ Date: _____ Row: _____ Period: _____

NOTES SECTION 10.4: ELLIPSES

ELLIPSE

VOCABULARY

**ELLIPSE WITH
MAJOR HORIZONTAL AXIS**

**ELLIPSE WITH
MAJOR VERTICAL AXIS**

The standard form of the equation of an ellipse with center at $(0,0)$ and major and minor axes of lengths $2a$ and $2b$, where $a > b > 0$, is as follows:

Equation	Major Axis	Vertices	Co-Vertices

EXAMPLE 1

Draw the ellipse given by _____.

Identify the foci, the vertices, and the co-vertices.

EXAMPLE 2

Draw the ellipse given by _____.

Identify the foci, the vertices, and the co-vertices.

YOUR TURN

Draw the ellipse given by _____.

Identify the foci, the vertices, and the co-vertices.