

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Row: \_\_\_\_\_ Period: \_\_\_\_\_

**NOTES SECTION 10.5: HYPERBOLAS – DAY 1**

**HYPBERBOLA**

**VOCABULARY**

**HYPERBOLA WITH  
HORIZONTAL TRANSVERSE AXIS**

**HYPERBOLA WITH  
VERTICAL TRANSVERSE AXIS**

The standard form of the equation of a hyperbola with center at  $(0,0)$  is as follows:

Equation	Transverse Axis	Asymptotes	Vertices

**EXAMPLE 1**

Draw the hyperbola given by \_\_\_\_\_.

Identify the foci, the vertices, and the asymptotes.

**EXAMPLE 2**

Draw the hyperbola given by \_\_\_\_\_.

Identify the foci, the vertices, and the asymptotes.

**YOUR TURN**

Draw the hyperbola given by \_\_\_\_\_.

Identify the foci, the vertices, and the asymptotes.