

Name _____

Date _____

Equations of Hyperbolas - Guided Lesson

Complete the following problems:

1) Find an equation of the hyperbola with x -intercepts at $x = -6$ and $x = 4$, and foci at $(-7, 0)$ and $(5, 0)$.

2) Find an equation for the hyperbola with center $(3, 7)$, vertex $(0, 7)$, and focus $(10, 7)$.

3) Find an equation of the hyperbola with x -intercepts at $x = -3$ and $x = 1$, and foci at $(-5, 0)$ and $(3, 0)$.

