

DIRECTIONS: Identify the center, direction of the transverse axis, vertices, foci, and slopes of asymptotes for the following hyperbolas. Use the back to graph the hyperbola.

1. $\frac{x^2}{25} - \frac{y^2}{16} = 1$

2. $x^2 - 25y^2 + 25 = 0$

3. $25x^2 - 4y^2 = 100$

4. $x^2 = 9y^2 - 81$

5. $75x^2 - 100y^2 = 7500$

6. $4x^2 - y^2 + 1 = 0$

