## Conic Section: Hyperbola

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$$
\begin{aligned}
& \frac{x^{2}}{a^{2}}-\frac{y^{2}}{b^{2}}=1 \\
& \text { Center is }(,)
\end{aligned}
$$

Asymptotes are $\qquad$ and
$\qquad$ .
Vertices are ( , ) $)$ and

