

**Algebra 2**  
**Unit: Conic Sections**  
**Section: Hyperbolas**

**Review Worksheet**

1) Name the center, vertices, co-vertices, foci and slope of the asymptotes of the following hyperbolas. Then graph the hyperbola.

a.  $\frac{y^2}{16} - \frac{x^2}{9} = 1$

Center:

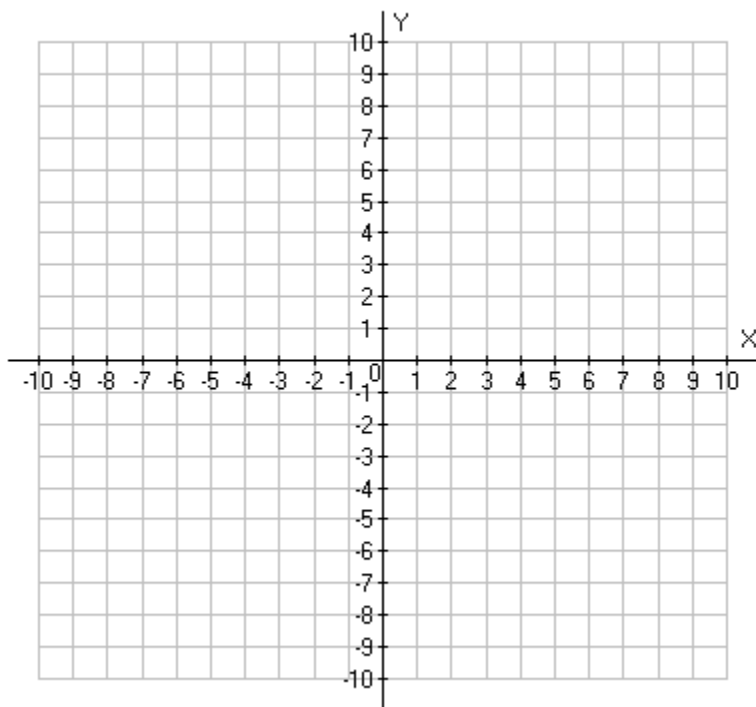
Vertices:

Co-vertices:

Foci:

Slope of tangent lines:

Graph:



b.  $\frac{(x+1)^2}{9} - \frac{(y-3)^2}{36} = 1$

Center:

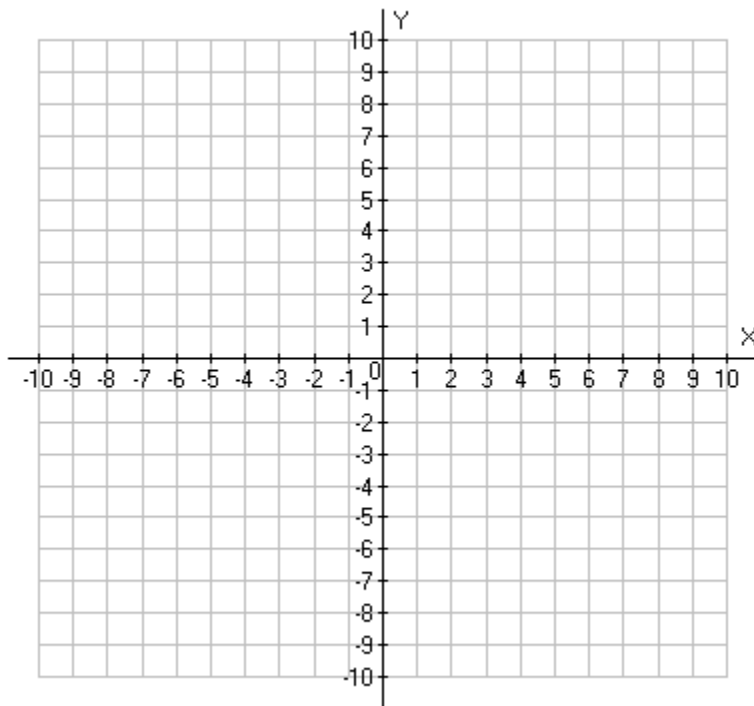
Vertices:

Co-vertices:

Foci:

Slope of tangent lines:

Graph:



c.  $\frac{(y+2)^2}{16} - \frac{(x-2)^2}{16} = 1$

Center:

Vertices:

Co-vertices:

Foci:

Slope of tangent lines:

Graph:

