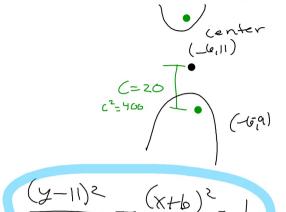
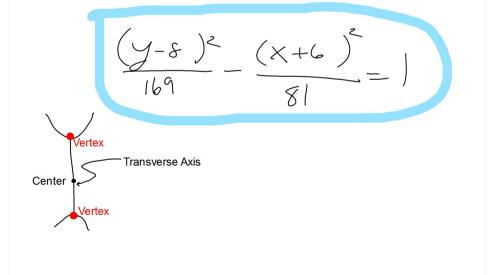
The center is (-6, 11), the Transverse Axis has a length of 24. One Focus is (-6,-9). Write the equation of this Hyperbola.

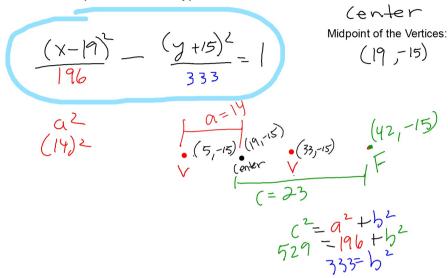


$$c^2 = a^2 + b^2$$
  
 $400 = 144 + b^2$ 

The center is (-6,8), the slopes of the asymptotes are  $\pm \frac{13}{9} \frac{\Upsilon}{\chi}$  and the Transverse Axis is vertical. Write the equation of this Hyperbola.



The Vertices are (5,-15) and (33,-15) and one Focus is (42,-15). Write the equation of this Hyperbola.



The center is (2,9), one Vertex is (-6,9), and one Focus is (10.5,9). Write the equation of this Hyperbola. Give your answer-without any decimals or compound fractions.

$$\frac{(-4.9)}{a=8} = \begin{cases} (-4.9) \\ (-4.9) \\ (-4.9) \end{cases} = \begin{cases} (-4.9) \\ (-4.9) \\ (-4.9) \\ (-4.9) \end{cases} = \begin{cases} (-4.9) \\ ($$

You can now finish Hwk #26.

Practice Sheet: Translating Hyperbolas.

**Due Tomorrow**