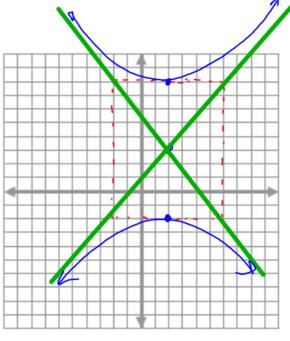
21. 
$$16y^2 - 25x^2 - 96y + 100x - 356 = 0$$

$$16(y^2 - 6y + 9) - 25(x^2 - 4x + 4) = 356 + 1649 - 2544$$

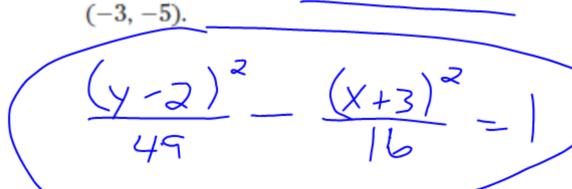
$$16(y - 3)^2 - 25(x - 2)^2 = 400$$

$$\frac{(y - 3)^2}{400} - \frac{(x - 2)^2}{16} = 1$$

h= 2  
IL= 3  
Center (2,3)  
Vertices (2,8) (2,-2)  
b= 4  
C= 
$$\sqrt{41}$$
  
 $\sqrt{16} = \sqrt{2} - 25$  (asymptotes  
 $\sqrt{1} = \sqrt{2}$   
 $\sqrt{1} = \sqrt{2}$   
 $\sqrt{1} = \sqrt{2}$ 



**34**. The length of the conjugate axis is 8 units, and the vertices are at (-3, 9) and



$$\frac{midpin+3center}{\left(-3+-3\atop 2\right)} = \frac{(4,10)}{2}$$

$$\frac{4 - 5}{(-39)}$$
=7
$$\frac{(-32)}{(-3-5)}$$