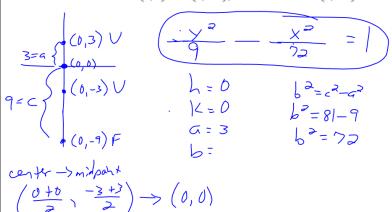
**32**. The vertices are at (0, 3) and (0, -3), and a focus is at (0, -9).



**21.** 
$$\underline{16y^2} - \underline{25x^2} - \underline{96y} + \underline{100x} - 356 = 0$$

$$\frac{16(y^{2}-6y+\frac{9}{1})-25(x^{2}-4x+\frac{4}{1})}{16(y^{-3})^{2}-25(x^{2}-4x+\frac{4}{1})}=352+169)-25(4)}{\frac{16(y^{-3})^{2}-25(x^{2}-4x+\frac{4}{1})}{400}}{\frac{(y^{-3})^{2}-(x^{2}-2)^{2}}{16}}=\frac{400}{400}$$

$$\frac{(y-3)^2}{25} - \frac{(x-2)^2}{16} = 1$$

h = 2  
|L = 3  
|Center (2,3)  
|vertices (2,8) (2,-2)  
|b = 4  
|C = 
$$\sqrt{41}$$
  
|To =  $\sqrt{2}$  |  $\sqrt{2}$  |

