

$$\frac{a^{2}-b^{2}=c^{2}}{9-b^{2}=0}$$

$$\frac{(x+1)^{2}}{5}+\frac{(y-4)^{2}}{9}=1$$

$$\left| \frac{(\chi - 3)^2}{16} - \frac{(y - 2)^2}{9} \right| = 1$$

Asymphotes: 
$$y-2=\pm\frac{4}{5}(\chi-3)$$

=) vertical, h=2, |=4 => 
$$y-4=\frac{1}{2}(x-2)$$
,  $y-4=-\frac{1}{2}(x-2)$ 

$$5a^2+5^2=16$$
  $a^2+4a^2=16$ 

$$^{2}+4a^{2}=16$$

$$a = \frac{4}{15} = \frac{4.55}{5}$$

$$4a^2=6^2$$

$$\frac{(y-4)^2}{\frac{16}{5}} - \frac{(x-2)^2}{\frac{64}{5}} = 1$$

7. (a): 
$$y^{2} = 28x$$
 $x = \frac{y^{2}}{28}$ 

F(7.0)

 $y = \frac{28}{4} = 7$ 

F(7.0)

$$(0, \frac{4}{5}) = \frac{2px}{y_0} + \frac{y_0}{2}$$

$$(x_0, y_0) = \frac{1}{y_0} = 4px$$