

S. (Cont.)

$$a = \frac{\sqrt{3}}{3} \quad b = \frac{\sqrt{21}}{7} \quad c = \frac{4\sqrt{21}}{21} \quad h=0 \quad k=0$$

FFI

CENTER:  $(h, k) = (0, 0)$

TRANS. AXIS:  $y=0$

FOCI:  $(h+c, k)$   $(h-c, k)$

$$\left(0 + \frac{4\sqrt{21}}{21}, 0\right) \quad \left(0 - \frac{4\sqrt{21}}{21}, 0\right)$$

$$\left(\frac{4\sqrt{21}}{21}, 0\right) \quad \left(-\frac{4\sqrt{21}}{21}, 0\right)$$

VERTICES:  $(h+a, k)$   $(h-a, k)$

$$\left(0 + \frac{\sqrt{3}}{3}, 0\right) \quad \left(0 - \frac{\sqrt{3}}{3}, 0\right)$$

$$\left(\frac{\sqrt{3}}{3}, 0\right) \quad \left(-\frac{\sqrt{3}}{3}, 0\right)$$

$$(0.6, 0) \quad (-0.6, 0)$$

ASYMPTOTES

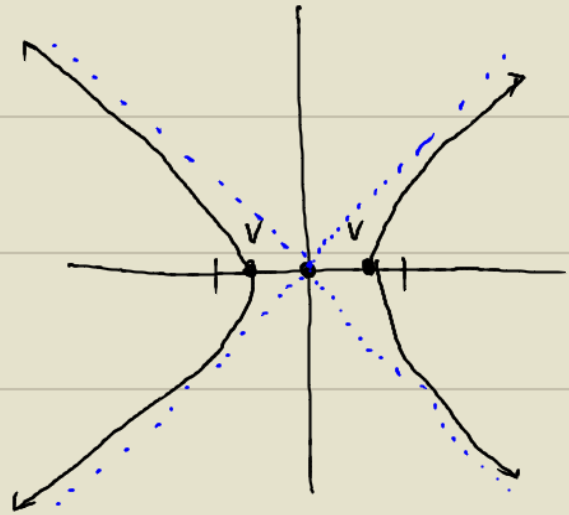
$$y - k = \pm \frac{b}{a}(x - h)$$

$$y - 0 = \pm \frac{\frac{\sqrt{21}}{7}}{\frac{\sqrt{3}}{3}}(x - 0)$$

$$y = \pm \frac{\sqrt{21}}{7} \cdot \frac{3}{\sqrt{3}} x$$

$$y = \pm \frac{3\sqrt{7}}{7} x$$

$$y = \pm \frac{8}{7} x$$



$$y = \pm \frac{8}{7} x$$

