

7.

RIGHT

$$a=2 \quad b=3 \quad c=\sqrt{3} \quad h=5 \quad k=-1$$

CENTER:  $(h, k)$ 

$$(5, -1)$$

TRANSVERSE  
AXIS  $x=5$  $x=5$ FOCI:  $(h, k+c)$   $(h, k-c)$ 

$$(5, -1+\sqrt{3}) \quad (5, -1-\sqrt{3})$$

VERTICES:

$$(h, k+a) \quad (h, k-a)$$

$$(5, -1+2) \quad (5, -1-2)$$

$$(5, 1) \quad (5, -3)$$

ASYMPTOTES

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

$$y-(-1) = \pm \frac{2}{3}(x-5)$$

$$y+1 = \frac{2}{3}x - \frac{10}{3}$$

$$y+1 = -\frac{2}{3}x + \frac{10}{3}$$

$$y = \frac{2}{3}x - \frac{10}{3} - 1$$

$$y = -\frac{2}{3}x + \frac{10}{3} - 1$$

$$y = \frac{2}{3}x - \frac{13}{3}$$

$$y = -\frac{2}{3}x + \frac{7}{3}$$

$$y = \frac{2}{3}x - 4.3$$

$$y = -\frac{2}{3}x + 2.3$$

