5.

$3y^2 + 12x^2 = 12$

$\frac{3y^2}{12} + \frac{12x^2}{12} = \frac{12}{12}$

$\frac{y^2}{4} + \frac{x^2}{1} = 1$

$\frac{(y-0)^2}{(2)^2} + \frac{(x-0)^2}{(1)^2} = 1$

$k=0$, $h=0$, $a=2$, $b=1$

$c = \sqrt{a^2 - b^2}$

$c = \sqrt{2^2 - 1^2}$

$c = \sqrt{4-1}$

$c = \sqrt{3}$

RIGHT

$a=2 \quad b=1 \quad c=\sqrt{3} \quad h=0 \quad k=0$

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

MAJOR AXIS: ()

LENGTH MAJOR AXIS: $2a = 2(2) = 4$

LENGTH MINOR AXIS: $2b = 2(1) = 2$

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

$(0, 0+\sqrt{3})$ $(0, 0-\sqrt{3})$

$(0, \sqrt{3})$ $(0, -\sqrt{3})$

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

$(0, 0+2)$ $(0, 0-2)$

$(0, 2)$ $(0, -2)$