





37
$$F(\pm 2,0)$$
 $(=(0,0) \quad h=0 \quad k=0)$

$$x^{2} + y^{2} = 1 \quad a=5 \quad c=2 \quad 25 = b^{2} + 4$$
25 $21 \quad b=121$
39 $F_{1}(0,2) \quad F_{2}(0,6) \quad C(0,4) \quad V_{1}(0,0) \quad V_{2}(0,1)$

$$x^{2} + (y-4)^{2} = 1 \quad a=4 \quad c=2 \quad b=\sqrt{12}$$
10 $16 = b^{2} + 4$
41 $C(-1,4) \cdot (h=-1 \quad k=4 \quad V_{1}(-1,0) \quad F_{1}(-1,6)$

$$[x+1)^{2} + (y-4) = 1 \quad c=2 \quad a=4 \quad b=\sqrt{12}$$
12 $1b$
43 $V_{1}(\pm 3,0) \quad F(\pm 5,0)$

$$x^{2} - y^{2} = 1 \quad c=5 \quad a=3 \quad b=4$$
9 $1b \quad 25 = 9 + b^{2}$
45 $V_{1}(-3,-4) \quad F_{1}(-3,-7) \quad C(-3,1)$

$$V_{2}(-3,6) \quad F_{2}(-3,9) \quad c=8 \quad a=5 \quad b=189$$

$$(y-1)^{2} - (x+3)^{2} = 1 \quad 64 = 25 + b^{2}$$
25 39
47 $V_{1}(\pm 3,0) \quad y=\pm 2x \quad h=2 \Rightarrow b=2 \quad b=6$

$$x^{2} - y^{2} = 1 \quad a=3 \quad b=4$$
9 $36 \quad c=9+36 \quad c=\sqrt{15}$