56. $2 x-y=0 \longrightarrow y=2 x$

$$
\begin{aligned}
& y^{2}=49+x^{2} \\
& (2 x)^{2}=49+x^{2} \\
& 4 x^{2}=49+x^{2} \\
& 3 x^{2}=49 \\
& x^{2}=\frac{49}{3} \\
& x= \pm \sqrt{\frac{49}{3}} \\
& x \approx \pm 4.0
\end{aligned}
$$

57. $x^{2}-4 x-44 y=4$

$$
\begin{align*}
& (+) \frac{(x-2)^{2}+(4 y=0}{x^{2}-4 x+(x-2)^{2}}=4  \tag{x=0}\\
& x^{2}-4 x+x^{2}-4 x+4=4 \\
& 2 x^{2}-8 x=0 \\
& 2 x(x-4)=8 \\
& 2 x=0 \quad x-4=0 \\
& x=0 \quad x=4
\end{align*}
$$

30. The length of the conjugate axis is 10 units,

$$
10=2 b
$$ and the vertices are at $(1,-1)$ and $(1,5)$.

$$
5=b
$$

$$
\frac{(y-2)^{2}}{9}-\frac{(x-1)^{2}}{25}=1
$$



