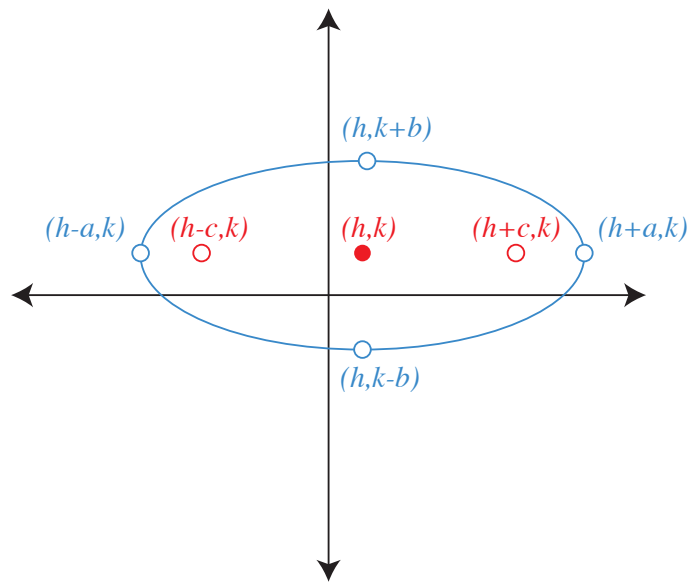
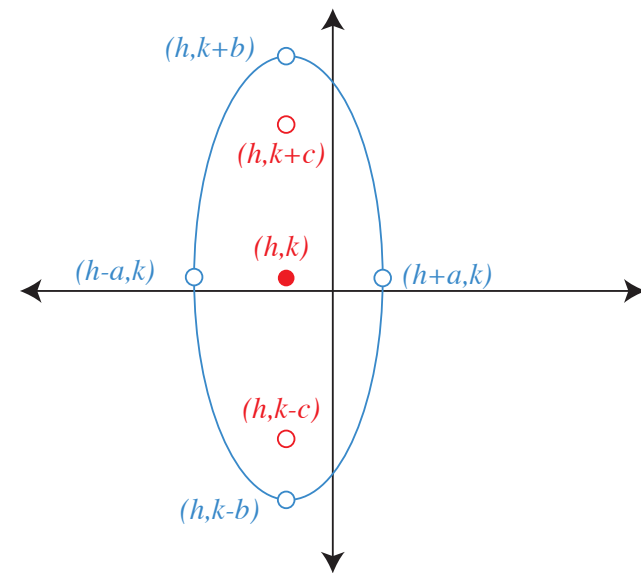


$$\frac{(x - h)^2}{a^2} + \frac{(y - k)^2}{b^2} = 1$$



$$(a > b, c^2 = a^2 - b^2)$$

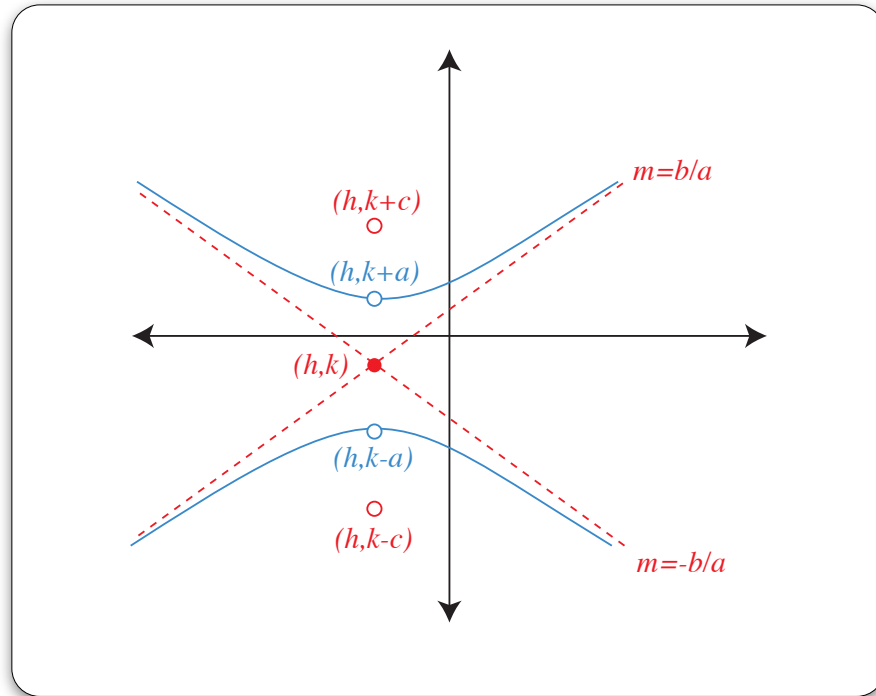


$$(b > a, c^2 = b^2 - a^2)$$

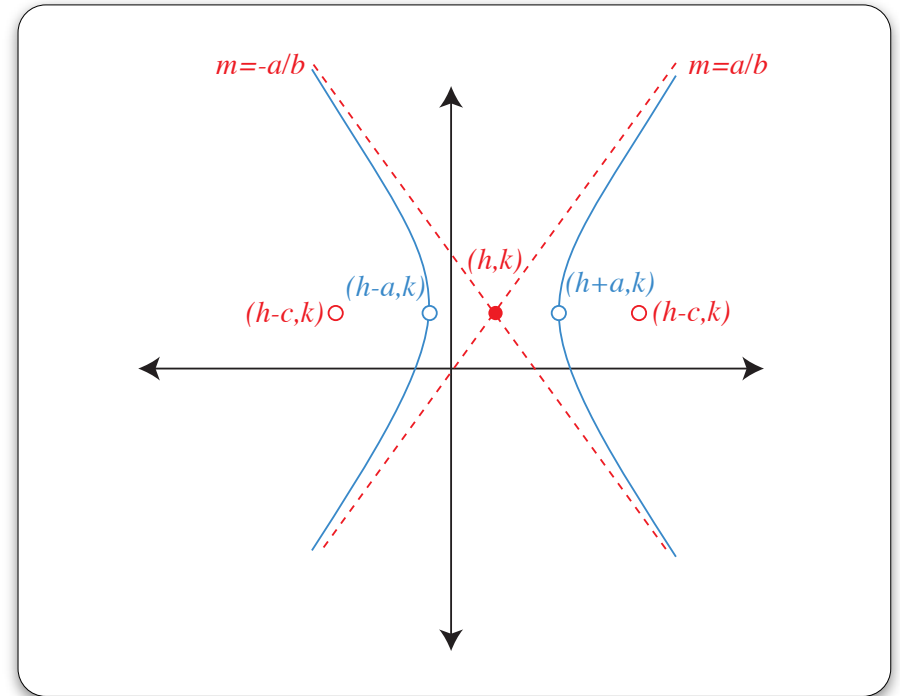
The ellipse

$$(c^2 = a^2 + b^2)$$

$$\frac{(y - k)^2}{a^2} - \frac{(x - h)^2}{b^2} = 1$$

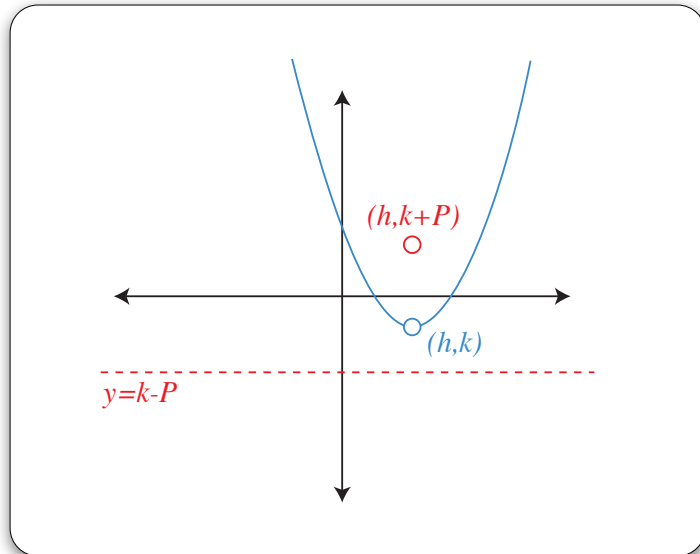


$$\frac{(x - h)^2}{a^2} - \frac{(y - k)^2}{b^2} = 1$$

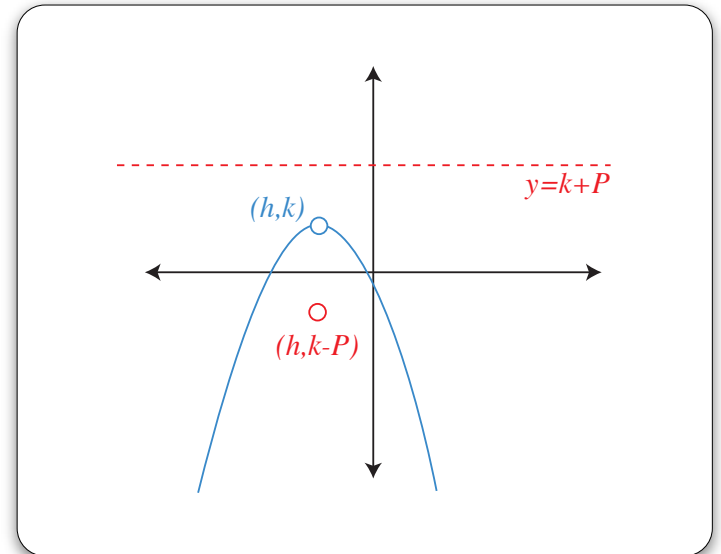


The hyperbola

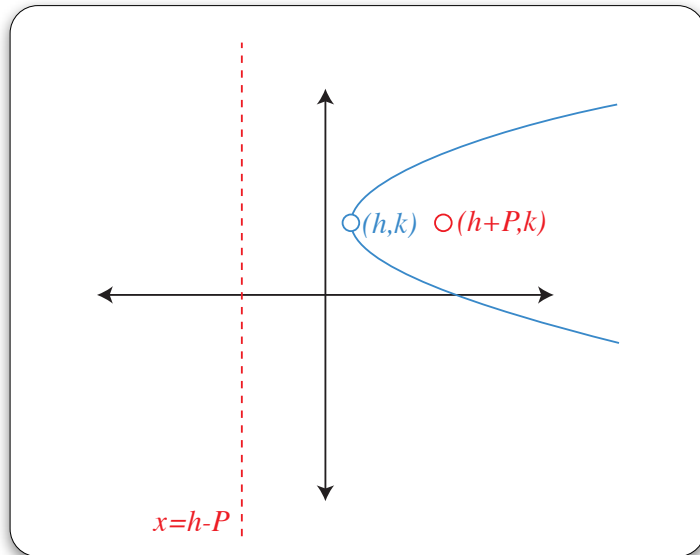
$$y - k = \frac{(x - h)^2}{4P}$$



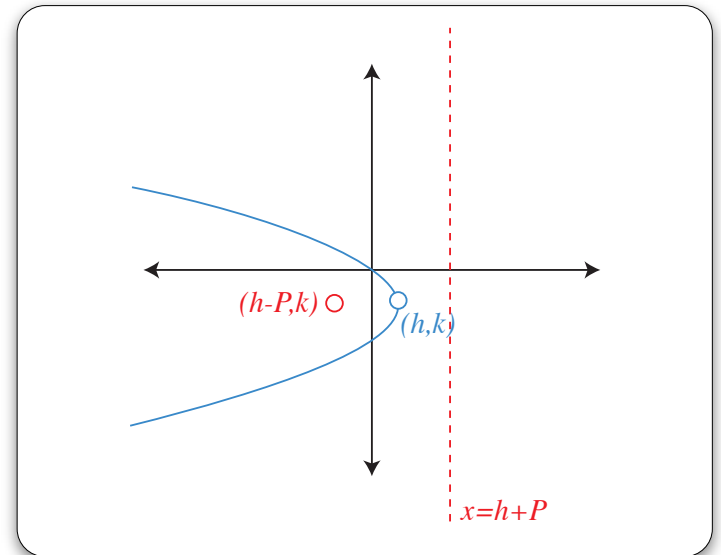
$$y - k = \frac{-(x - h)^2}{4P}$$



The parabola



$$x - h = \frac{(y - k)^2}{4P}$$



$$x - h = \frac{-(y - k)^2}{4P}$$