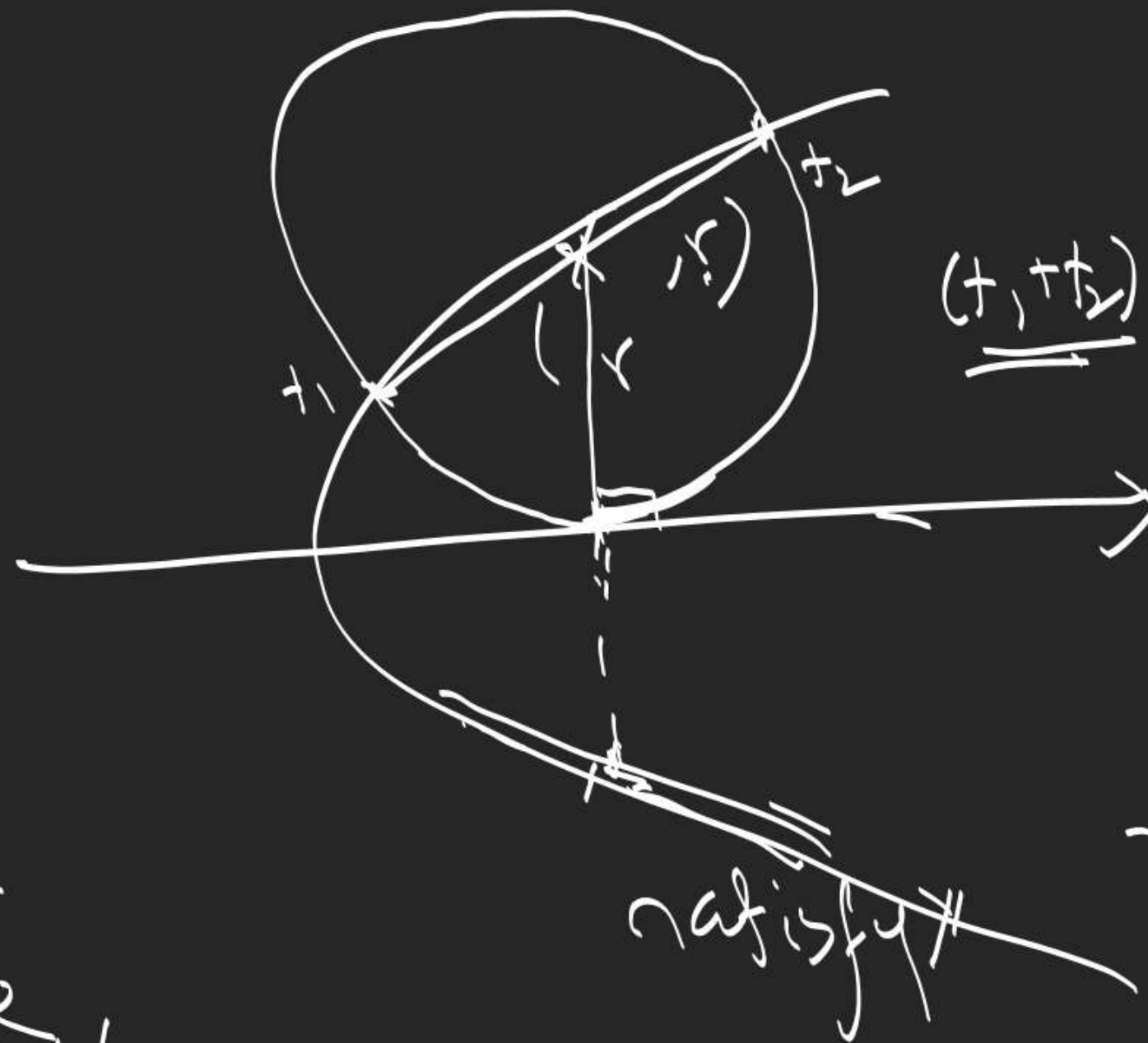


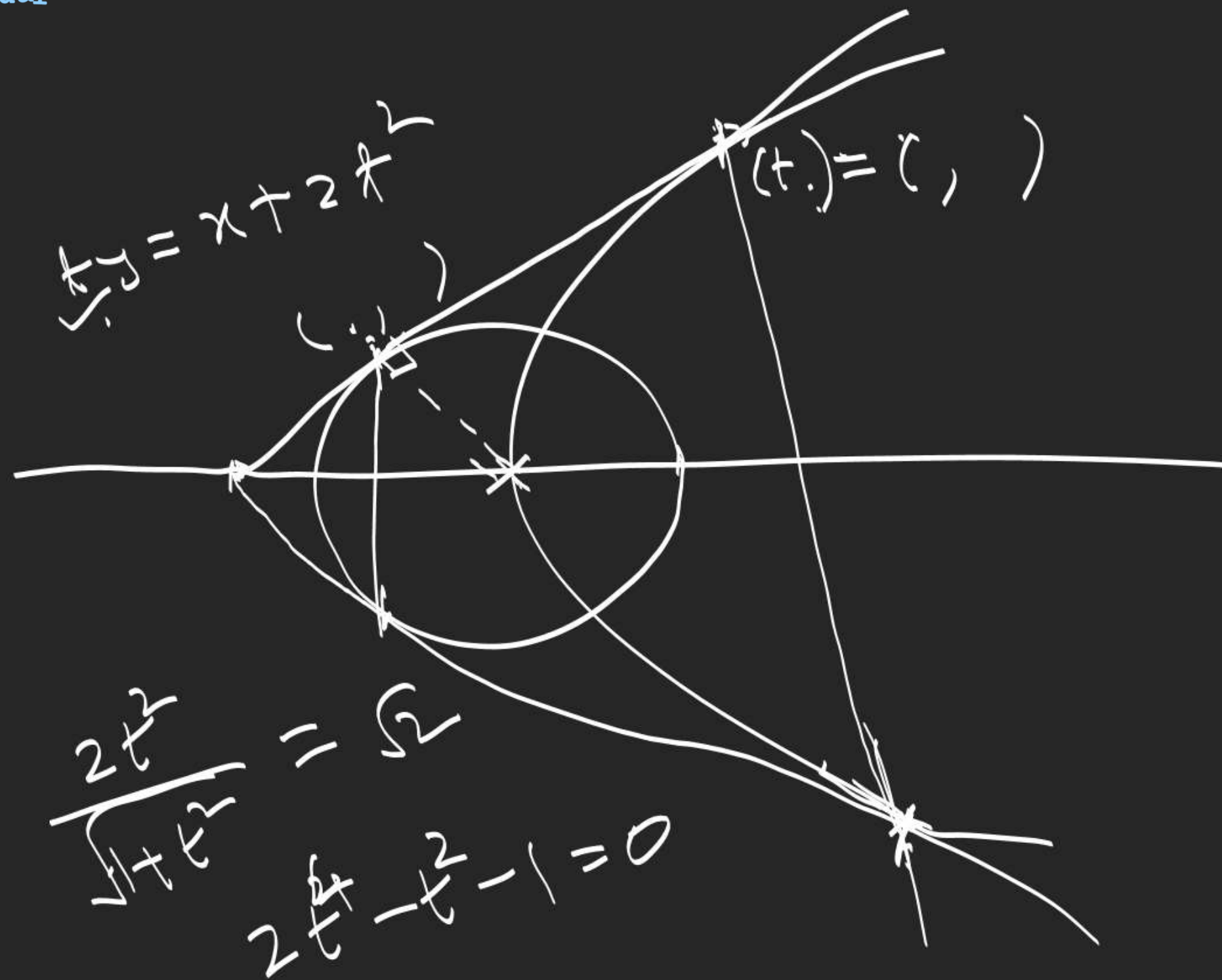
$$h = 2t^2 + 1$$

$$k = \frac{3t^2 + 1}{t}$$

$$k^2 \left( \frac{h-1}{2} \right) = \left( 1 + 3 \left( \frac{h-1}{2} \right) \right)^2$$



$$x^2 - 3x + 2$$



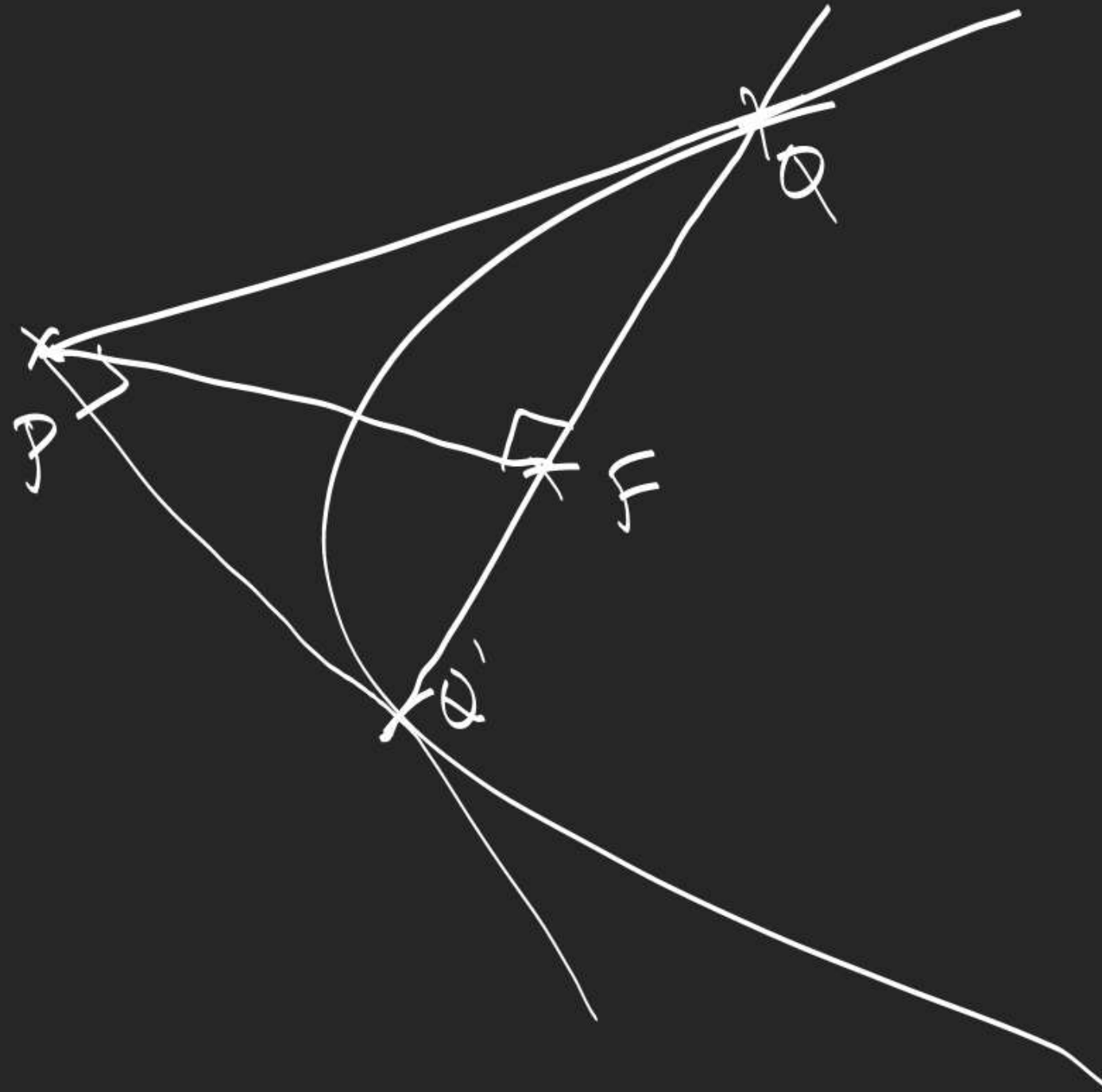
$$Q = \left(-\frac{1}{t}\right) \checkmark$$

$$= \frac{0 - 2at}{2a - at^2}$$

$$\frac{2}{t - 1}$$

$$r = ?$$

$y^2 = 4x$   
 $x + y + 4 = 0$   
 $(h, k)$   
 $(x_1, y_1)$   
 $h - x_1 = k - y_1 = -2$   
 $\frac{h - x_1}{1} = \frac{k - y_1}{1} = -2 \frac{x_1 + y_1 + 4}{2}$   
 $h - x_1 = k - y_1 = -x_1 - y_1 - 4$   
 $y_1 = -h - 4$   
 $x_1 = -k - 4$   
 $(h+4)^2 = 4(-k-4)$





$\Sigma_{X-III}$  (elliptic)

$$y + t(4-x) = \frac{1}{2}t + \frac{1}{4}t^3$$

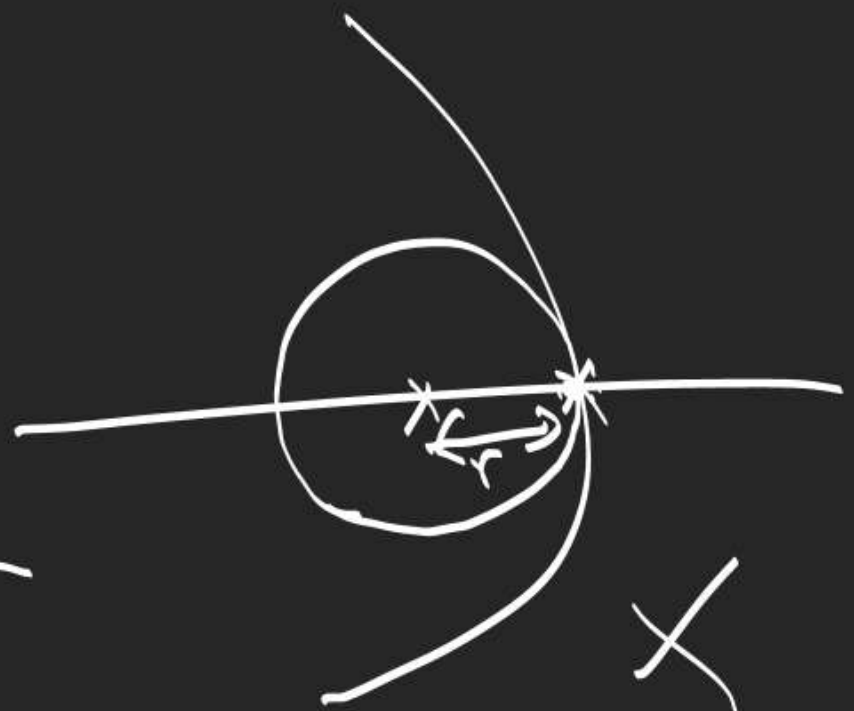
$(0,0)$

$(\frac{7}{2}, -\frac{1}{4}, 0)$

$(4,0)$

$$y^2 = (4-x)^3$$

$$\left(\frac{7}{2} - \frac{1}{4}t^2\right)^2 = \frac{1}{4} + \frac{1}{4}t^2$$



Sets & Relations

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