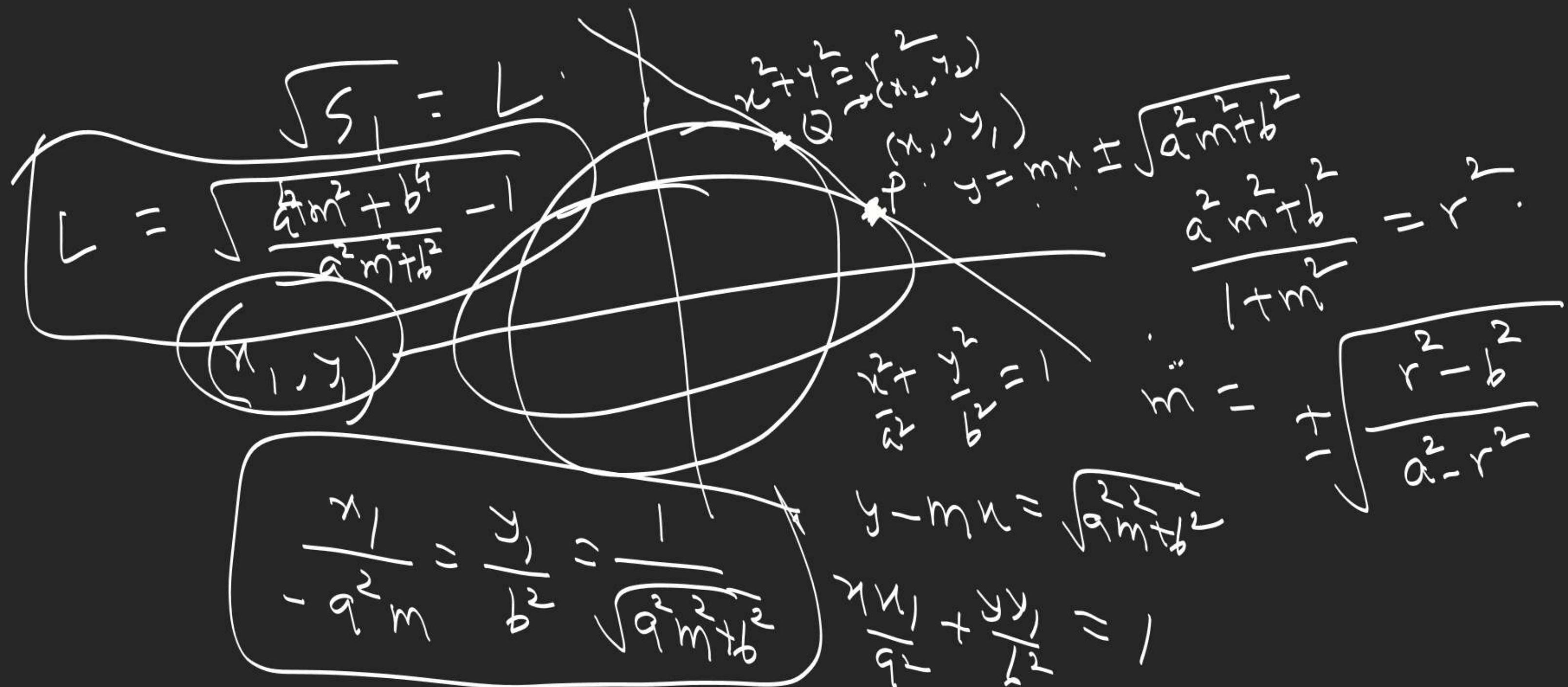
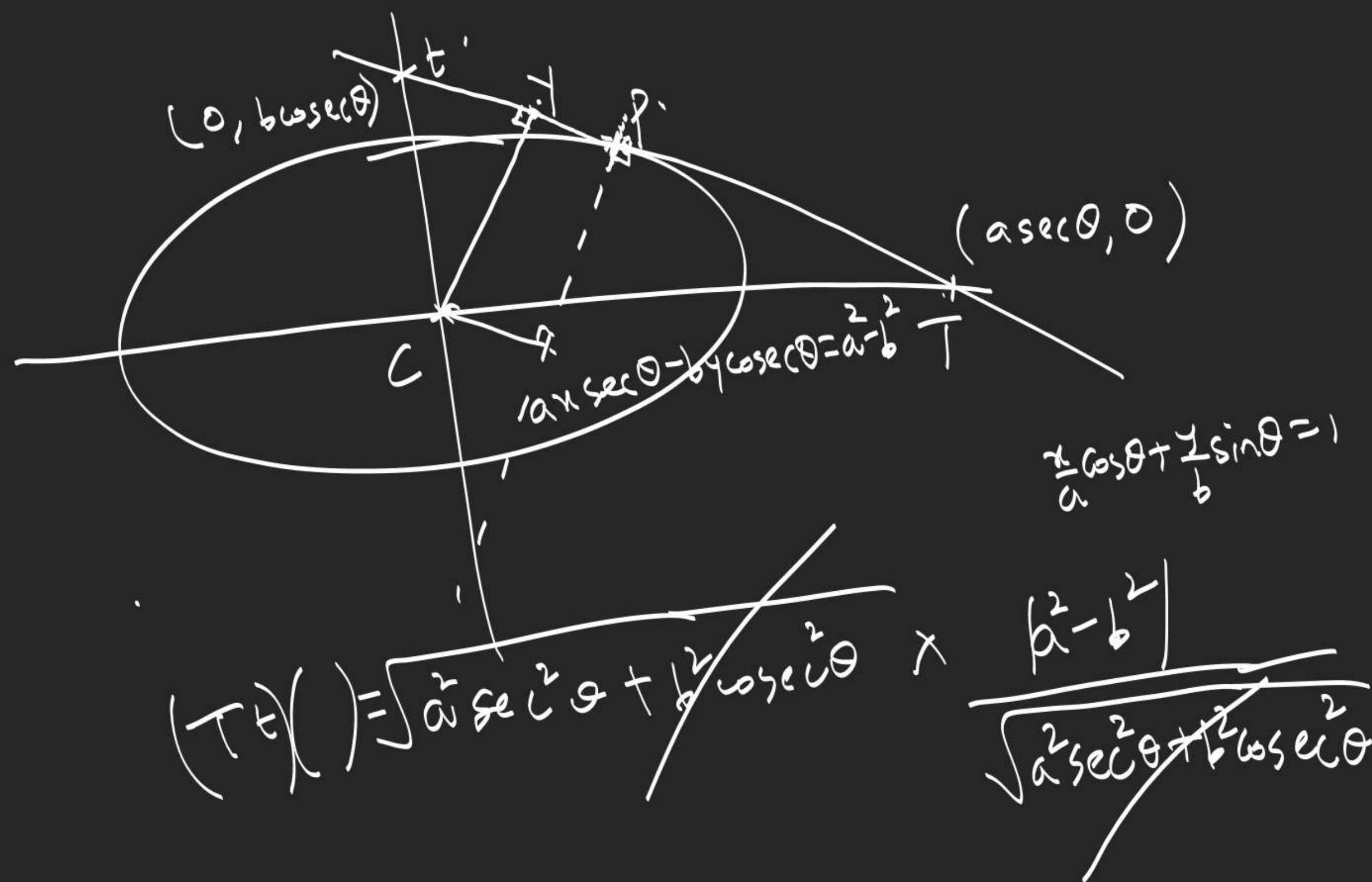


-33

15, 16, 18, 23, 24, 26



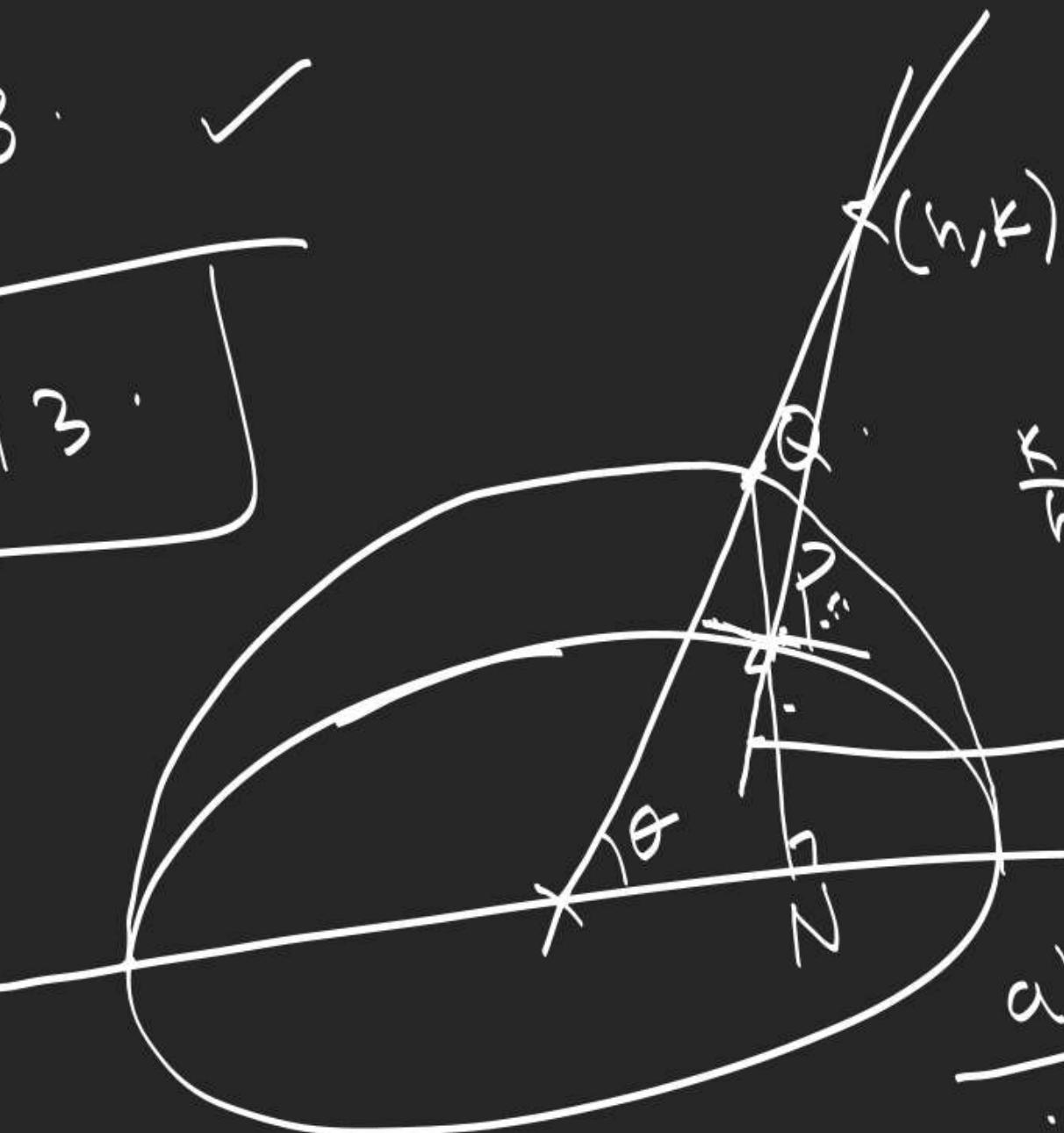


Ex-35

18 ✓

Ex-34

13



$$\frac{k}{h} = \tan \theta$$

$$ax \sec \theta - by \cosec \theta = a^2 - b^2$$

$$ah \sqrt{h+k^2} - \frac{bk \sqrt{h+k^2}}{k} = a^2 - b^2$$

$$(a-b)^2 (x^2+y^2) = (a^2-b^2)^2$$

$$x^2 + y^2 = (a+b)^2$$

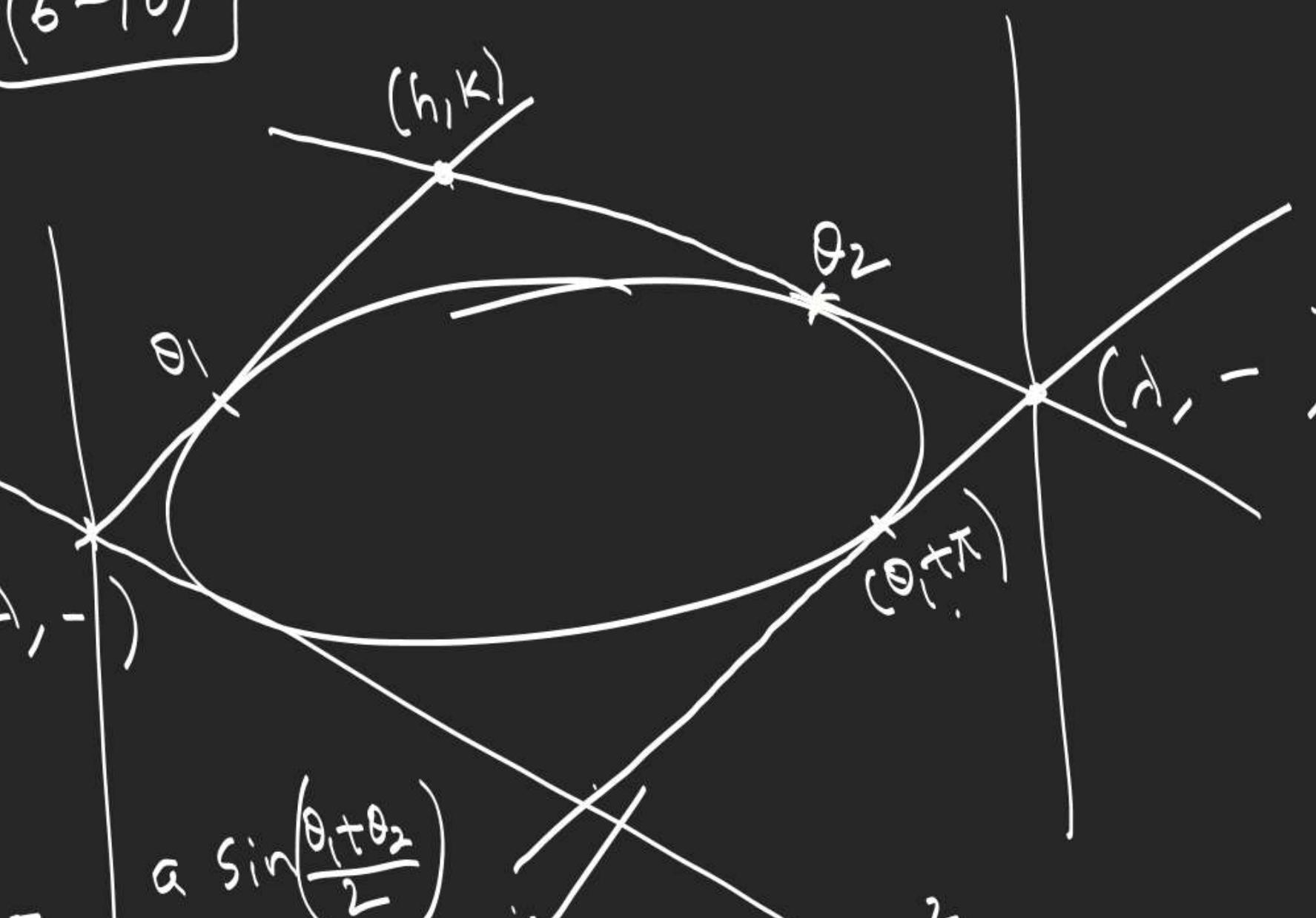
Paper-1., Prob- $\boxed{(6-10)}$

$$h = \frac{a \cos\left(\frac{\theta_1 + \theta_2}{2}\right)}{\cos\left(\frac{\theta_1 - \theta_2}{2}\right)}$$

$$k = \frac{b \sin\left(\frac{\theta_1 + \theta_2}{2}\right)}{\cos\left(\frac{\theta_1 - \theta_2}{2}\right)}$$

$$\lambda = \frac{a \cos\left(\frac{\theta_1 + \theta_2 + \frac{\pi}{2}}{2}\right)}{\cos\left(\frac{\theta_1 - \theta_2}{2}\right)}$$

$$\frac{k}{\lambda} = \frac{b}{a} \tan\left(\frac{\theta_1 - \theta_2}{2}\right)$$



$$\frac{a \sin\left(\frac{\theta_1 + \theta_2}{2}\right)}{\sin\left(\frac{\theta_1 - \theta_2}{2}\right)}$$

$$\left(\frac{h}{a}\right)^2 + \left(\frac{k}{b}\right)^2 = \frac{1}{\cos^2\left(\frac{\theta_1 - \theta_2}{2}\right)}$$

$$\left(\frac{h}{a}\right)^2 + \left(\frac{k}{b}\right)^2 = 1 + \left(\frac{ak}{b}\right)^2$$