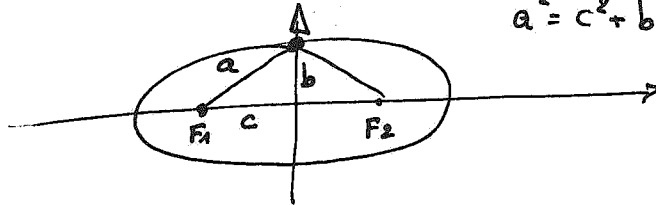


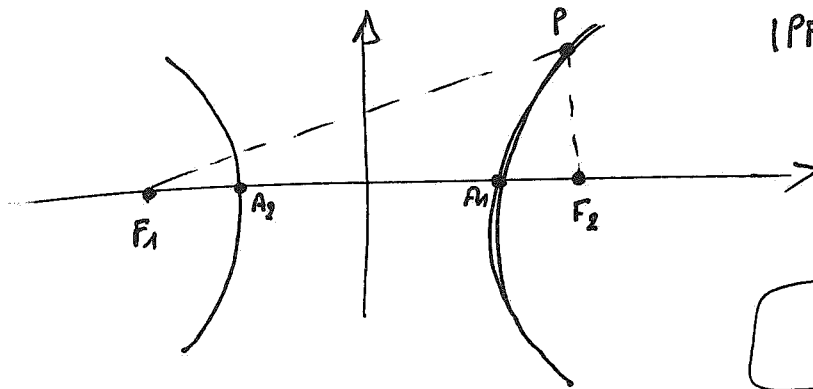
$$|PF_1| + |PF_2| = 2a$$

$$F_1(c, 0)$$

$$F_2(-c, 0)$$



$$a^2 = c^2 + b^2 \Rightarrow \frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$$



$$|PF_1| - |PF_2| = 2a$$

$$F_1(c, 0)$$

$$F_2(-c, 0)$$

$$A_1(a, 0)$$

$$A_2(-a, 0)$$

$$c^2 = a^2 + b^2 \quad ???$$

$$\frac{x^2}{a^2} - \frac{y^2}{b^2} = 1$$