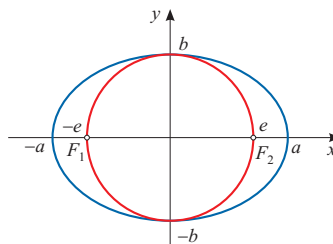


Zadatak 39. Kružnica $x^2 + y^2 = 16$ prolazi žarištem i tjemenu male osi elipse. Nađi jednadžbu elipse.

Rješenje.



$$x^2 + y^2 = 16$$

$$e = b = r = 4$$

$$a^2 = e^2 + b^2 = 16 + 16 = 32$$

$$\frac{x^2}{32} + \frac{y^2}{16} = 1 \quad / \cdot 32$$

$$x^2 + 2y^2 = 32$$