

Zadatak 28. Napiši jednađbu pravca koji prolazi žarištima parabola $y^2 = 8x$ i $y = 8x^2$.

Rješenje.

$$P_1 \dots y^2 = 8x \implies p = 4, F_1(2, 0)$$

$$P_2 \dots y = 8x^2 \implies p = 4, F_2(0, 2)$$

$$p = F_1F_2 \dots y - 0 = \frac{2 - 0}{0 - 2}(x - 2)$$

$$y = -x + 2$$

$$x + y - 2 = 0$$