

Zadatak 3. Nagib pravca PQ , $P(a, 1)$, $Q(4, a)$, jednak je $-\frac{1}{2}$. Odredi a .

Rješenje. $P(a, 1)$, $Q(4, a)$;

$$k = -\frac{1}{2}$$

$$\frac{a-1}{4-a} = -\frac{1}{2} \quad \left. \begin{array}{l} \\ \cdot 2(4-a) \end{array} \right.$$

$$2(a-1) = -4 + a$$

$$2a - a = -4 + 2$$

$$a = -2 .$$