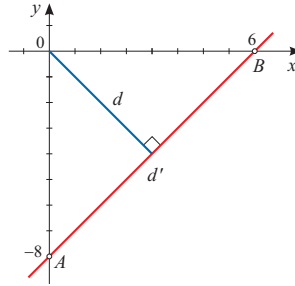


**Zadatak 6.** Kolika je udaljenost pravca  $\frac{x}{6} - \frac{y}{8} = 1$  od ishodišta koordinatnog sustava?

**Rješenje.**



$$\frac{x}{6} - \frac{y}{8} = 1$$

$$\frac{x}{6} + \frac{y}{-8} = 1 \implies m = 6, n = -8$$

$$P = \frac{|m \cdot n|}{2} = \frac{6 \cdot 8}{2} = 24$$

$$d' = \sqrt{m^2 + n^2} = \sqrt{36 + 64} = \sqrt{100} = 10$$

$$P = \frac{d' \cdot d}{2} \implies d = \frac{2P}{d'} = \frac{2 \cdot 24}{10} = 4.8$$