

**Zadatak 20.** Odredi koeficijent  $c$  tako da pravac  $x + 4y + c = 0$  prolazi sjecištem pravaca  $3x - 2y = 0$  i  $3x - 4y + 12 = 0$ .

*Rješenje.*

$$p \dots x + 4y + c = 0$$

$$q \dots 3x - 2y = 0$$

$$r \dots \underline{3x - 4y + 12 = 0}$$

$$q \cap r \quad 3x - 2y = 0$$

$$\underline{3x - 4y + 12 = 0}$$

oduzimanjem jednakosti:  $2y - 12 = 0$

$$y = 6$$

$$3x - 2 \cdot 6 = 0$$

$$3x = 12$$

$$x = 4 \quad \implies \quad T(4, 6)$$

$$T(4, 6) \in p \implies 4 + 4 \cdot 6 + c = 0, \quad c = -28$$