

Zadatak 18. Odredi duljine stranica trokuta $\triangle ABC$ ako je $v_a = 8.7$ cm, $v_b = 10.3$ cm te $\gamma = 48^\circ 35'$.

Rješenje.

$$v_a = 8.7 \text{ cm}$$

$$v_b = 10.3 \text{ cm}$$

$$\gamma = 48^\circ 35'$$

$$a, b, c = ?$$

$$a = \frac{v_b}{\sin \gamma} = 13.735 \text{ cm}$$

$$v_a \cdot a = v_b \cdot b \implies b = \frac{v_a \cdot a}{v_b} = 11.6 \text{ cm}$$

$$c^2 = a^2 + b^2 - 2ab \cos \gamma$$

$$c = 10.6 \text{ cm}$$

