

UČEBNICE GEOMETRIE - ŘEŠENÍ PŘÍKLADŮ

①

48/6 čtyřúhelník ABCD:

a) $\alpha = 65^\circ$, $\beta = \gamma = 87^\circ$, $\delta = ?$

$$\alpha + \beta + \delta + \gamma = 360^\circ$$

$$\delta = 360^\circ - (65^\circ + 87^\circ + 87^\circ)$$

$$\delta = 360^\circ - 239^\circ$$

$$\underline{\delta = 121^\circ}$$

b) $\alpha = 126^\circ$, $\delta = 47^\circ 20'$, $\gamma = 58^\circ 50'$, $\beta = ?$

$$\alpha + \beta + \delta + \gamma = 360^\circ$$

$$\beta = 360^\circ - (126^\circ + 47^\circ 20' + 58^\circ 50')$$

$$\beta = 359^\circ 60' - 232^\circ 10'$$

$$\beta = 359^\circ 60' - 232^\circ 10'$$

$$\underline{\beta = 127^\circ 50'}$$

57/1 kosodélník ABCD:

a) $a = 7,6 \text{ cm}$

$$r_a = 4,8 \text{ cm}$$

$$S = ? (\text{cm}^2)$$

$$S = a \cdot r_a$$

$$S = 7,6 \cdot 4,8$$

$$S = 36,48 \text{ cm}^2$$

b) $b = 9 \text{ dm} = 90 \text{ cm}$

$$r_b = 74 \text{ cm}$$

$$S = ? (\text{cm}^2)$$

$$S = b \cdot r_b$$

$$S = 90 \cdot 74$$

$$S = 6660 \text{ cm}^2$$

$$S = 66,6 \text{ dm}^2$$