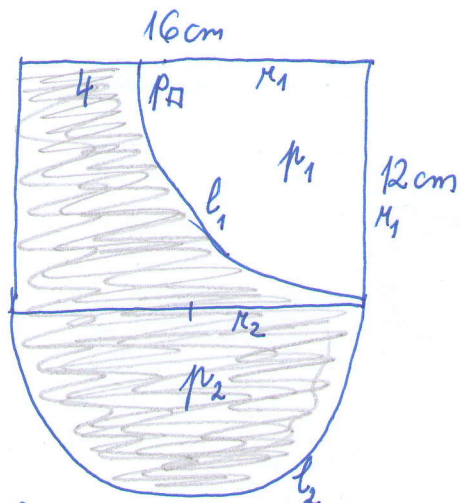


REŠITVE 8. r (1, 4)

①



OBSEG: $\sigma = 4\text{cm} + 12\text{cm} + l_1 + l_2$

$$l_1 = \frac{2\pi r_1}{4} = \frac{2 \cdot \pi \cdot 12}{4} = 6\pi$$

$$l_2 = \frac{2\pi r_2}{2} = \frac{2\pi \cdot 8}{2} = 8\pi$$

$$\sigma = 16 + 6\pi + 8\pi = 16 + 14\pi$$

$$\sigma = 16 + \frac{44}{1} \cdot \frac{22}{7} = 16 + 44$$

$$\underline{\underline{\sigma = 60\text{ cm}}}$$

pravokotnik:

$$a = 16\text{ cm}$$

$$b = 12\text{ cm}$$

PLOŠČINA:

$$p_{\square} = a \cdot b$$

$$p_{\square} = 16 \cdot 12$$

$$p_{\square} = 192\text{ cm}^2$$

$$p_1 = \frac{\pi r_1^2}{4} = \frac{\pi \cdot 12^2}{4}$$

$$p_1 = \frac{\pi \cdot 144}{4} = \underline{\underline{36\pi\text{ cm}^2}}$$

$$p_2 = \frac{\pi r_2^2}{2} = \frac{\pi \cdot 8^2}{2}$$

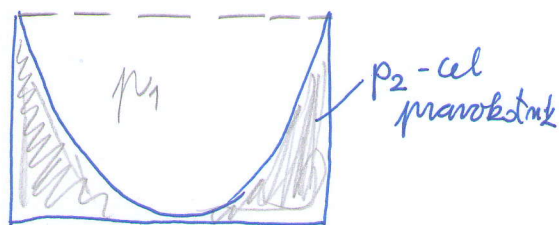
$$p_2 = \frac{\pi \cdot 64}{2} = 32\pi\text{ cm}^2$$

$$p = p_{\square} - p_1 + p_2 =$$

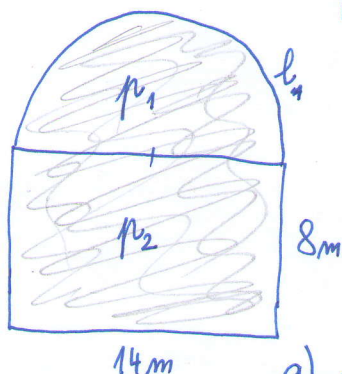
$$= 192 - 36\pi + 32\pi$$

$$= 192 - 4\pi = 192 - 4 \cdot 3,14$$

$$= 192 - 12,56 = 179,44\text{ cm}^2$$



2a.



$$a = 14\text{ m}$$

$$b = 8\text{ m}$$

$$r = 7\text{ m}$$

[am]

OBSEG:

$$\sigma = a + 2b + l$$

$$\sigma = 14 + 2 \cdot 8 + 22$$

$$\sigma = 14 + 16 + 22$$

$$\underline{\underline{\sigma = 52\text{ m}}}$$

$$l = \frac{2\pi r}{2}$$

$$l = \pi \cdot 7 = \frac{22}{7} \cdot 7 = \underline{\underline{22\text{ m}}}$$

$$p_1 = \frac{\pi r^2}{2} = \frac{\pi \cdot 49}{2} =$$

$$\frac{22}{7} \cdot \frac{49}{2} = 77\text{ m}^2$$

$$p_2 = a \cdot b = 14 \cdot 8 = 112\text{ m}^2$$

a) $p = p_1 + p_2$
 $= 77 + 112 = \underline{\underline{189\text{ m}^2}}$

b) $p = p_2 - p_1 = 112 - 77 = \underline{\underline{35\text{ m}^2}}$