

1. URA - PLOŠČINA KROGA - REŠITVE

U sh. 170/1

a)  $r = 45 \text{ mm}$   
 $p =$

$$p = \tilde{\pi} \cdot r^2$$
$$p = 3,14 \cdot 45^2$$
$$p = 3,14 \cdot 2025$$
$$p = \underline{6358,5 \text{ mm}^2}$$

b)  $r = 7,4 \text{ dm}$   
 $p =$

$$p = \tilde{\pi} \cdot r^2$$
$$p = 3,14 \cdot 7,4^2$$
$$p = 3,14 \cdot 54,76$$
$$p = \underline{171,95 \text{ dm}^2}$$

c)  $r = 1\frac{2}{5} \text{ cm}$   
 $p =$

$$p = \tilde{\pi} \cdot r^2$$
$$p = \frac{22}{7} \cdot \left(1\frac{2}{5}\right)^2$$
$$p = \frac{22}{7} \cdot \left(\frac{7}{5}\right)^2$$
$$p = \frac{22 \cdot 49 \cdot 7}{7 \cdot 25 \cdot 1}$$
$$p = \frac{154}{25} = 6\frac{4}{25} \text{ cm}^2$$
$$p = \underline{6,15 \text{ cm}^2}$$



U stb. 140/2

a)  $\frac{d = 12,5 \text{ cm}}{r =}$

$$r = \frac{d}{2} = \frac{12,5}{2} = 6,25 \text{ cm}$$

$$r = \pi \cdot r^2$$

$$r = 3,14 \cdot 6,25^2$$

$$r = 3,14 \cdot 3906,25$$

$$r = \underline{\underline{12265,63 \text{ cm}^2}}$$

b)  $\frac{d = 2,7 \text{ m}}{r =}$

$$r = \frac{d}{2} = \frac{2,7}{2} = 1,35 \text{ m}$$

$$r = \pi \cdot r^2$$

$$r = 3,14 \cdot 1,35^2$$

$$r = 3,14 \cdot 1,8225$$

$$r = \underline{\underline{5,72 \text{ m}^2}}$$

c)  $\frac{d = 3 \frac{2}{11} \text{ m}}{r =}$

$$r = \frac{d}{2} = d : 2 = 3 \frac{2}{11} : 2 =$$
$$= \frac{35 \cdot 1}{11 \cdot 2} = \frac{35}{22} \text{ m}$$

$$r = \pi \cdot r^2$$

$$r = \frac{22}{7} \cdot \left(\frac{35}{22}\right)^2$$

$$r = \frac{22 \cdot 1225 \cdot 1 \cdot 175}{7 \cdot 484 \cdot 22 \cdot 1}$$

$$r = \frac{175}{22} = 7 \frac{21}{22} = \underline{\underline{7,95 \text{ m}^2}}$$

U sth. 170/3

a)  $\frac{r=40 \text{ cm}}{p=}$

$$p = \pi \cdot r^2$$

$$p = \pi \cdot 40^2$$

$$p = \pi \cdot 1600$$

$$p = \underline{\underline{1600\pi \text{ cm}^2}}$$

b)  $\frac{d=1,5 \text{ dm}}{p=}$

$$r = \frac{d}{2} = \frac{1,5}{2} = 0,75 \text{ dm}$$

$$p = \pi \cdot r^2$$

$$p = \pi \cdot 0,75^2$$

$$p = \pi \cdot 0,5625$$

$$p = \underline{\underline{0,5625\pi \text{ dm}^2}}$$