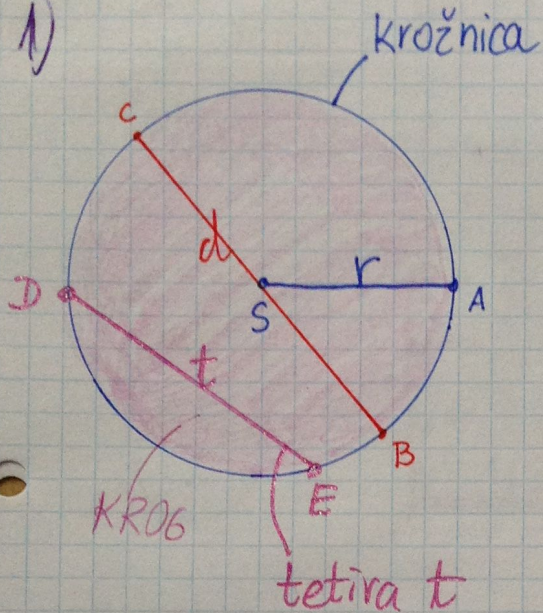
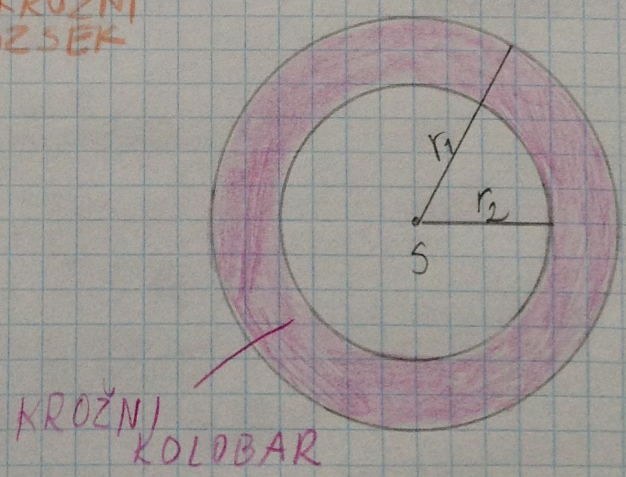
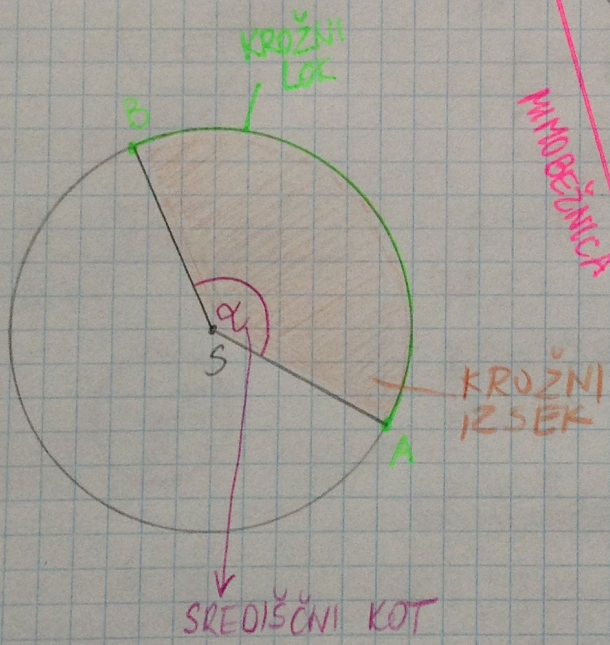
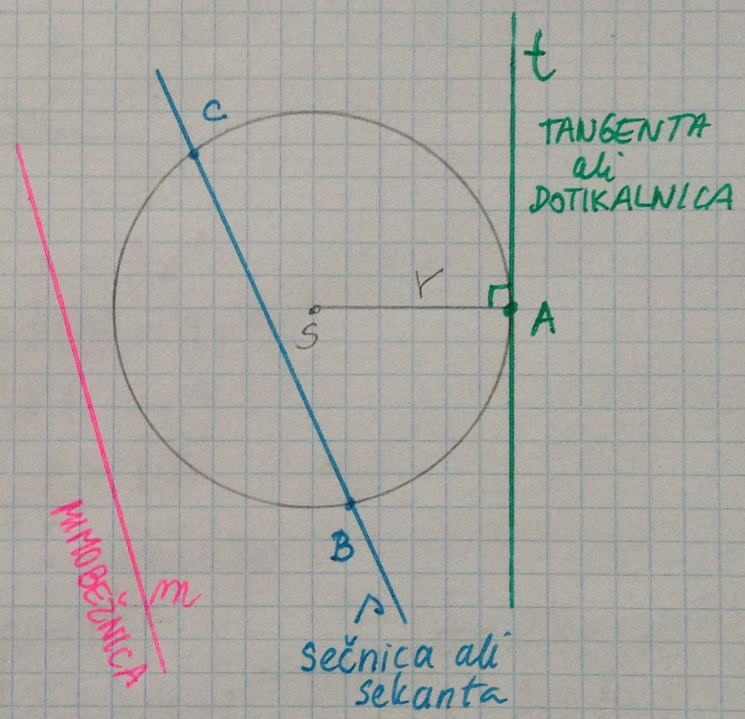


# KROG - utrijevanje

1)



$r$ .. polmer  
 $d=2r$ .. premer



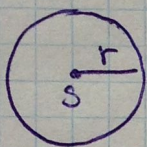


$$2) \frac{2r = 12756 \text{ km}}{\sigma = ?}$$

$$\begin{aligned} \sigma &= 2r \cdot \pi \\ \sigma &= 12756 \cdot 3,14 \\ \sigma &= \underline{40053,84 \text{ km}} \end{aligned}$$

Elseg ekvatorja meri 40 053,84 km.

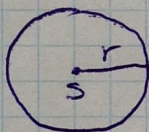
$$3) \frac{r = 6 \text{ m}}{p = ?}$$



$$\begin{aligned} p &= \pi r^2 \\ p &= 3,14 \cdot 6^2 \\ p &= 3,14 \cdot 36 \\ p &= \underline{113,04 \text{ m}^2} \end{aligned}$$

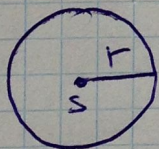
Potrebuje mo  
113,04 m<sup>2</sup> ploščic.

$$4) \frac{p = 0,81 \pi \text{ cm}^2}{r = ?}$$



$$\begin{aligned} p &= \pi r^2 \\ 0,81\pi &= \pi r^2 \\ 0,81 &= r^2 \\ r &= \sqrt{0,81} \\ r &= \underline{0,9 \text{ cm}} \end{aligned}$$

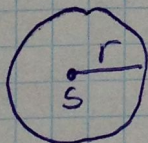
$$5) \frac{p = 48,5 \text{ cm}^2}{\sigma = ?}$$



$$\begin{aligned} p &= \pi r^2 \\ 48,5 &= 3,14 \cdot r^2 \\ r^2 &= 48,5 : 3,14 \\ r^2 &= 25 \\ r &= \underline{5 \text{ cm}} \end{aligned}$$

$$\begin{aligned} \sigma &= 2\pi r \\ \sigma &= 2 \cdot 3,14 \cdot 5 \\ \sigma &= \underline{31,4 \text{ cm}} \end{aligned}$$

$$6) \frac{\sigma = 15,7 \text{ cm}}{r = ?}$$

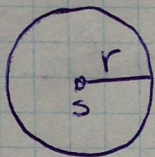


$$\begin{aligned} \sigma &= 2\pi r \\ 15,7 &= 2 \cdot 3,14 \cdot r \\ 15,7 &= 6,28 \cdot r \\ r &= 15,7 : 6,28 \\ r &= \underline{2,5 \text{ cm}} \end{aligned}$$



$$\textcircled{7} \quad \underline{\sigma = 20\pi \text{ cm}}$$

$$p = ?$$



$$\sigma = 2\pi r$$

$$20\pi = 2\pi r$$

$$20 = 2 \cdot r$$

$$\underline{r = 10 \text{ cm}}$$

$$p = \pi r^2$$

$$p = \pi \cdot 10^2$$

$$\underline{p = 100\pi \text{ cm}^2}$$