



$r = OK = OD = KA = AD = 4 \text{ cm}$   
 $AB = 10 ; R = ?$   
 Решение.  
 $R = BC / 2$

$$KA = 4 \Rightarrow AD = 4$$

$$KB = AB - KA = 10 - 4 = 6 = BL$$

$$DC = BL = x$$

$$\Rightarrow \text{по т Пифагора } BC^2 = BA^2 + AC^2$$

$$\Rightarrow 100 + (4+x)^2 = (6+x)^2 \Rightarrow 100 + 16 + 8x + x^2 = 36 + 12x + x^2 \Rightarrow 80 + 8x = 12x$$

$$4x = 80 \Rightarrow x = 20$$