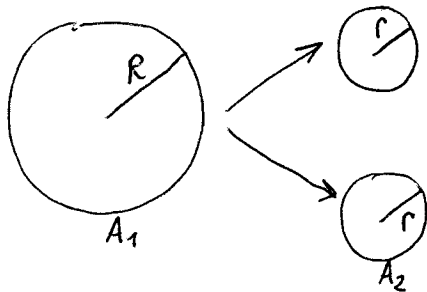


9.)  $R = 2\text{mm}$   $\alpha = 0,49\text{ J/m}^2$   $W = ?$  két egyenlő darabra

$$E = \alpha A \quad W = \alpha \Delta A$$



Tömegmegmaradás:

$$8 \frac{4}{3} R^3 \pi = 2 \cdot \frac{4}{3} r^3 \pi \rightarrow r$$

$$W = \alpha \Delta A = \alpha (2A_2 - A_1) = \alpha (2 \cdot 4r^2 \pi - 4R^2 \pi) = \dots$$