

22-1-2026

5) ans) 6480

$$\frac{1}{U_a} + \frac{1}{U_b} + \frac{1}{U_g} = \frac{1}{P}$$

$$E = \frac{1}{2} \cdot a \cdot U_a \Rightarrow 2E = a \cdot U_a \Rightarrow U_a = \frac{2E}{a} \Rightarrow \frac{1}{U_a} = \frac{a}{2E}$$

$$\text{Dmora } \frac{1}{U_b} = \frac{b}{2E} \text{ uae } \frac{1}{U_g} = \frac{g}{2E}$$

$$\frac{1}{U_a} + \frac{1}{U_b} + \frac{1}{U_g} = \frac{a+b+g}{2E} = \frac{27}{2 \cdot 72} = \frac{1}{P}$$

$$E = 72P$$

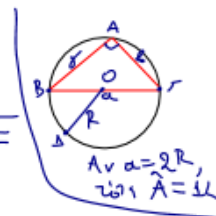
1) $b\gamma = a \cdot U_a, \hat{A} = 1L$
AYTH

$$b\gamma = a \cdot U_a$$

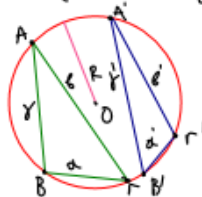
$$E = \frac{1}{2} a U_a \Rightarrow a U_a = 2E \quad \left. \begin{array}{l} b\gamma = a \cdot U_a \\ E = \frac{1}{2} a U_a \end{array} \right\} b\gamma = 2E$$

$$E = \frac{a b \gamma}{4R}$$

~~Apo $b\gamma = 2 \cdot \frac{a b \gamma}{4R}$~~ $\Rightarrow \alpha = 2R$ Apo $\hat{A} = 1L$



3) ans) $\frac{(AB\gamma)}{(A'B'\gamma')} = \frac{a b \gamma}{a' b' \gamma'}$



$$(AB\gamma) = \frac{a b \gamma}{4R}$$

$$(A'B'\gamma') = \frac{a' b' \gamma'}{4R}$$

$$\left\{ \begin{array}{l} (AB\gamma) = \frac{a b \gamma}{4R} \\ (A'B'\gamma') = \frac{a' b' \gamma'}{4R} \end{array} \right\} \frac{(AB\gamma)}{(A'B'\gamma')} = \frac{a b \gamma}{a' b' \gamma'}$$