

زمره/کتابت

① $R=2$ $\frac{dr}{dt} = \frac{1}{r} \times r^2 = r = \cos \theta$ (الف)

$\sqrt{\frac{r^2}{r}} = r$

$\frac{a_r}{a_{10}} = \frac{r}{r_0} = 14$ (ب)

$\frac{dr}{dt} = \frac{1}{r} \times r^2 = r$
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 $\frac{1}{r} \times r^2 = r$

$\frac{1}{r} (r) = 1/r$
 $\frac{1}{r} = \frac{1}{r_0} \times r_0$ (ج)

$\frac{a_r}{a_{10}} = r^2$

$r^2 = 1$ $r = 1$

$\sum_{i=1}^n \frac{1}{i^2} = \frac{\pi^2}{6}$ (د)

$a_0 = \frac{1}{r} r^2 \rightarrow \frac{1}{r} = \frac{1}{r_0} \times r_0$
 $\frac{1}{r} = \frac{1}{r_0} \times r_0$

$a_1 \times a_2 \times a_3 \times a_4 \times a_5 = r \times r$

$a_1 = r$ $a_2 = r$

$a_1 = r$ (ه)

$a_1 \times a_2 = a_1^2 = r^2$ (و)

$a + b = 0$ (ز)

$\frac{x+1}{a}$ $\frac{x}{a}$ $\frac{1-x}{a}$

$x^2 = (x+1)(1-x)$
 $x^2 = x - x^2 + 1 - x$
 $x^2 = 1$
 $x = \pm 1$

$a_1 + a_2 = r$
 $\frac{1}{r} + \frac{1}{r} = r$
 $\frac{2}{r} = r$

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 $r = \pm 1$

$\frac{1}{r} = r$

$\frac{f(1/r)}{f(r)}$

$\frac{(1/r)(1/r - r)}{r(1/r)} = \frac{1}{r}$

$r^2 + r - 1 = 0$
 $r = \frac{-1 \pm \sqrt{5}}{2}$