





استاذ  
 جهاد كسابيه  
 هاتف ٠٧٧٩٠٠٢٠٤٢  
 اريد

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

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

$$\left( \sqrt{\frac{1}{r}} \right) = \sqrt{r} \quad (1)$$

بالتساوي الطرفين .

$$\sqrt{\frac{1}{r}} = \sqrt{r} \quad \Leftarrow$$

بأخذ اللوغاريتم للطرفين للأساس  $r$

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

$$\frac{1}{r^2} \times r = \frac{r}{r} \quad \Leftarrow$$

بالتساوي الطرفين بالسيد  $r$  .

$$\frac{1}{r} + \frac{1}{r} = \frac{r}{r} \quad \Leftarrow$$

$$r \times \left( \frac{1}{r} + \frac{1}{r} \right) = r \quad \Leftarrow$$

$$\cancel{r} \times \left( \frac{1}{r} + 1 \right) = r \quad \Leftarrow$$

$$\left( \sqrt{r} + \sqrt{r} \right) = r \left( \sqrt{r} + \sqrt{r} + (r) \right) \quad (2)$$

$$\sqrt{r} = r \left( \sqrt{r} + \sqrt{r} + (r) \right) \quad \Leftarrow$$

بالتساوي الطرفين .

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

$$\sqrt{r} = 2r \sqrt{r} + r^2 \quad \Leftarrow$$

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$$(r+1) \dot{p} = r(\dot{u} + \dot{p}) - \dot{q} + (u) \dot{q} \quad (1)$$

$$r \dot{p} = r(1 - \dot{q} + (u) \dot{q})$$

$$r \dot{p} = r(\dot{p} + (u) \dot{q})$$

← اضافة طرفين

$$r \dot{p} = r \dot{p} + (u) \dot{q}$$

$$r \dot{p} - r \dot{p} = (u) \dot{q} \quad \leftarrow$$

$$r \dot{p} - (r \dot{p} + 1) \dot{p} = (u) \dot{q}$$

$$r \dot{p} - r \dot{p} - \dot{p} = (u) \dot{q}$$

$$\# \quad -\dot{p} = (u) \dot{q} \quad \leftarrow$$

$$r \dot{p} = u \quad (2)$$

$$r \dot{p} + r \dot{p} = u$$

$$r \dot{p} + r \dot{p} + r \dot{p} + r \dot{p} = u$$

$$r \dot{p} = u$$

$$\frac{r \dot{p}}{r} = \frac{u}{r} \quad \leftarrow$$

$$\frac{r \dot{p}}{r} = \frac{u}{r} \quad \leftarrow$$

$$\frac{r \dot{p}}{r} = \frac{u}{r} = \frac{r \dot{p} + 3 \dot{p}}{r} = \frac{r \dot{p} + 3 \dot{p}}{r} \quad (3)$$

40  
 $\frac{uP}{P+r} = \frac{uP}{r}$

$\frac{1}{r} = u$  ,  $\frac{1}{r} = P$  ←

$\delta \left( \frac{1}{\delta} - \frac{1}{(r-\delta)r} \right) = \frac{uP}{P}$  ←

$\frac{1}{P} + \frac{1}{\delta} - \frac{1}{r-\delta} = \frac{uP}{P}$

$\frac{1}{P} + \frac{1}{\delta} - \frac{1}{r-\delta} = \frac{uP}{P}$

تأنيد، الخسار بحمد بالنظر (١٠٠)

$\frac{1}{P} + \frac{1}{\delta} - \frac{1}{r-\delta} = \frac{uP}{P}$

$\frac{1}{\delta} + P = P$

$\frac{1}{\delta} + P = P$  ←

$\frac{1}{\delta} + P = P$

$\frac{1}{\delta} + P = P$

$\frac{uP}{P+r} = uP \left( \frac{1}{P+r} \right)$  ←

$\frac{uP}{P+r} = uP \frac{uP}{P}$  ←

$\frac{uP}{P+r} = uP \frac{uP}{P}$  ←

$\frac{uP}{P+r} = uP$  ←

**تعريف**  
 $\frac{1}{P+r} = \frac{uP}{P}$   
 $\frac{1}{P} = \frac{uP}{P}$   
 $\frac{1}{P} = uP$

$\frac{uP}{P \times \delta} = \frac{uP}{P}$  ←

تأنيد  $\frac{1}{P} = \frac{uP}{P}$

$\frac{uP}{\delta \times (r-\delta)} = \frac{uP}{P}$  ←

كسور جزئية

$\frac{u}{\delta} + \frac{P}{(r-\delta)} = \frac{1}{\delta \times (r-\delta)}$   
 $\frac{(r-\delta)u + (\delta)P}{\delta \times (r-\delta)} = \frac{1}{\delta \times (r-\delta)}$  ←  
 $1 = (r-\delta)u + (\delta)P$  ←

$$\left(\frac{r}{s}\right) p = (r) q \quad (7)$$

$$w\left(\frac{r}{s}\right) p = w(r) q \quad ?$$

$$p + \left(\frac{r}{s}\right) p = (r) q$$

$$\frac{1}{r} = (r) q \quad \text{نكته}$$

$$p + \frac{1}{r} \times p = \frac{1}{r} \quad \Leftarrow$$

$$\boxed{r = p} \quad \Leftarrow$$

$$r + \left(\frac{r}{r}\right) p = (r) q \quad \text{نكته}$$

$$w\left(r + \left(\frac{r}{r}\right) p\right) = w(r) q \quad \Leftarrow$$

$$p + r + \left(\frac{r}{r}\right) p = (r) q \quad \Leftarrow$$

$$r + \epsilon = (r) q \quad \text{نكته}$$

$$p + r + (0) q = r + \epsilon \quad \Leftarrow$$

$$\boxed{\epsilon = p} \quad \Leftarrow$$

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$$\epsilon + r + \left(\frac{r}{r}\right) p = (r) q \quad \text{نكته}$$

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$$\left. \begin{aligned} & \text{د} \frac{w}{\sqrt{\frac{r}{p}d + 19}} = (v) \end{aligned} \right\} \text{د} \quad (4)$$

$$\left. \begin{aligned} & \text{د} \frac{w}{\sqrt{\frac{r}{p}d + 19}} = (v) \end{aligned} \right\} \text{د}$$

$$\left. \begin{aligned} & \frac{w}{\sqrt{\frac{r}{p}d + 19}} = (v) \end{aligned} \right\} \text{د}$$

تعريف

$$\left. \begin{aligned} & \sqrt{\frac{r}{p}d + 19} = v \leftarrow \\ & \frac{r}{p}d + 19 = v^2 \leftarrow \\ & \frac{r}{p} = \frac{v^2 - 19}{d} \leftarrow \\ & v^2 - 19 = \frac{r}{p}d \leftarrow \end{aligned} \right\}$$

$$\left. \begin{aligned} & \frac{w}{v} = (v) \end{aligned} \right\} \leftarrow$$

$$d + v w = (v) \leftarrow$$

$$d + \sqrt{\frac{r}{p}d + 19} w = (v) \leftarrow$$

كنهه  $(\frac{r}{p}, d)$  بالنته

$$d + \sqrt{7 + 19} w = 14 \leftarrow$$

$$2 - \sqrt{\frac{r}{p}d + 19} w = (v) \leftarrow \left\{ \begin{aligned} & 2 - = d \end{aligned} \right\} \leftarrow$$

(v)

$$P_{\text{لو}} \times P_{\text{ر}} (\text{ر} \text{ل} \text{ر} + \text{ر} \text{ل} \text{ر} -) = \frac{\text{ر} \text{ر}}{\text{ر} \text{ر}} \quad (\text{ر} \text{ر})$$

$$\frac{P_{\text{لو}}}{P} \times P \times (1 + \text{ر} \text{ر}) = P \frac{1}{\text{ر}}$$

$$P = P \Leftrightarrow \frac{P_{\text{لو}}}{P} = \frac{1}{\text{ر}} \Leftrightarrow \frac{P_{\text{لو}}}{P} \times P = P \frac{1}{\text{ر}} \Leftrightarrow$$

مطابقاً

$$\frac{\text{ر} \text{ل} \text{ر}}{\text{ر} \text{ل} \text{ر} - 1} = \text{ر} \text{ل} \text{ر}$$

$$\frac{(\text{ر} \text{ل} \text{ر} + \text{ر} \text{ل} \text{ر}) \text{ر} \text{ل} \text{ر}}{\text{ر} \text{ل} \text{ر} - 1} \quad (\text{ر} \text{ر})$$

$$\text{ر} \text{ر} \text{ل} \text{ر} = \text{ر} \frac{\text{ر} \text{ل} \text{ر}}{\text{ر} \text{ل} \text{ر} - 1}$$

$$\text{ر} \text{ر} \frac{\text{ر} \text{ل} \text{ر}}{\text{ر} \text{ل} \text{ر}} =$$

$$\text{ر} \frac{\text{ر} \text{ل} \text{ر}}{\text{ر} \text{ل} \text{ر}} \frac{1}{\text{ر}} =$$

$$P + \frac{\text{ر} \text{ل} \text{ر}}{P} \frac{1}{\text{ر}} =$$





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$$\left. \begin{aligned} & \text{ن} \\ & \text{ن} \end{aligned} \right\} \text{ (3) } \quad \text{ن} = \sqrt{\text{ن}} \quad \text{ن} = \sqrt{\text{ن}} + \text{ن}$$

(4) نفرض  $\text{ن} = \sqrt{\text{ن}}$

$$\text{ن} = \sqrt{\text{ن}} \Leftrightarrow$$

	$= \sqrt{\text{ن}}$	$\Leftrightarrow$	$\text{ن} = \text{ن}$
1	$= \sqrt{\text{ن}}$	$\Leftrightarrow$	$1 = \text{ن}$
2	$= \sqrt{\text{ن}}$	$\Leftrightarrow$	$2 = \text{ن}$
3	$= \sqrt{\text{ن}}$	$\Leftrightarrow$	$3 = \text{ن}$
4	$= \sqrt{\text{ن}}$	$\Leftrightarrow$	$4 = \text{ن}$
5	$= \sqrt{\text{ن}}$	$\Leftrightarrow$	$5 = \text{ن}$
6	$= \sqrt{\text{ن}}$	$\Leftrightarrow$	$6 = \text{ن}$
7	$= \sqrt{\text{ن}}$	$\Leftrightarrow$	$7 = \text{ن}$
8	$= \sqrt{\text{ن}}$	$\Leftrightarrow$	$8 = \text{ن}$
9	$= \sqrt{\text{ن}}$	$\Leftrightarrow$	$9 = \text{ن}$

$$\left. \begin{aligned} & \text{ن} \\ & \text{ن} \\ & \text{ن} \end{aligned} \right\} + \left. \begin{aligned} & \text{ن} \\ & \text{ن} \\ & \text{ن} \end{aligned} \right\} + \left. \begin{aligned} & \text{ن} \\ & \text{ن} \\ & \text{ن} \end{aligned} \right\} = \left. \begin{aligned} & \text{ن} \\ & \text{ن} \\ & \text{ن} \end{aligned} \right\} \Leftrightarrow$$

$$9 + 10 + 3 =$$

$$22 =$$

مع اصيابه للبيع بالتوفيق والبيع