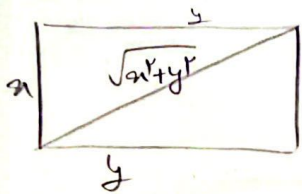


$\frac{1+\sqrt{5}}{2} = \frac{\Delta n + 0}{\Delta n} \rightarrow \frac{1+\sqrt{5}}{2} = \frac{\Delta}{\Delta} + \frac{0}{\Delta n} \rightarrow$
14

$r + r\sqrt{5} = \Delta + \frac{0}{n} \rightarrow r\sqrt{5} - r = \frac{0}{n} \rightarrow 0 = (r\sqrt{5} - r)n$

$\frac{\text{مساحت مستطین طولی}}{\text{مساحت مستطین اریز}} = \frac{\Delta n (r\sqrt{5} + r)n}{\Delta n \Delta n} \rightarrow \frac{r\sqrt{5} + r}{\Delta}$



$\frac{\sqrt{x^2 + y^2}}{\Delta n} = \frac{1+\sqrt{5}}{2} \xrightarrow{\text{تقریب}} \frac{x^2 + y^2}{\Delta n} = \frac{4 + r\sqrt{5}}{r} = \frac{r + \sqrt{5}}{r}$

$\frac{\sqrt{x^2 + y^2}}{n} = \frac{\sqrt{5} + 1}{2} \rightarrow \frac{x^2 + y^2}{n} = \frac{r + \sqrt{5}}{r}$
 $\frac{1}{n} \frac{y^2}{1 + \sqrt{5}} = \frac{1 + \sqrt{5}}{2} \Rightarrow \frac{y^2}{n} = \frac{\sqrt{5} - 1}{2}$

$r^2 n^2 + r^2 y^2 = r^2 x^2 + \sqrt{5} r^2 x^2 \rightarrow r^2 y^2 = (1 + \sqrt{5}) r^2 x^2$

$r^2 a + \sqrt{r^2 a^2 + \varepsilon a} = r \rightarrow \sqrt{r^2 a^2 + \varepsilon a} = r - r^2 a \xrightarrow{\text{تقریب}} r^2 a^2 + \varepsilon a = r^2 a^2 - 1 r^2 a + \varepsilon$

$\sqrt{r^2 a^2 + \varepsilon a} = 0 \rightarrow r^2 a^2 - 1 r^2 a + \varepsilon = 0 \rightarrow (a^2 - 1 a + \frac{\varepsilon}{r^2}) \rightarrow \frac{r}{v} \leq \frac{1 \varepsilon}{v}$

$\frac{\frac{r}{v} + 1}{\frac{r}{v}} = \frac{\frac{9}{v}}{\frac{r}{v}} = \frac{9}{r} = \frac{\varepsilon}{1 \Delta}$

$\frac{\sqrt{x+1}}{\sqrt{x-1} - 1} - \frac{\sqrt{x+1}}{r - \sqrt{x-1}} = \frac{x-1}{\sqrt{x-1}}$

$\frac{r\sqrt{x+1}}{10 - n} - \sqrt{x^2 - 1} - \sqrt{x^2 - 1} - r\sqrt{x+1} = \sqrt{x-1} \rightarrow (\sqrt{x-1})(10 - n) = r(\sqrt{x-1})(\sqrt{x+1})$

$10 - n = -r\sqrt{x+1} \rightarrow x^2 - 10x + 100 = r^2 x + r^2 \rightarrow$

$10 - n < 0 \rightarrow (n > 10) \quad x^2 - r^2 x + 99 \rightarrow r^2 \pm \sqrt{\Delta \sqrt{4} - 4 \times 99} \rightarrow \frac{r^2 \pm \sqrt{144}}{2}$

① نسبت

$\frac{1}{\sqrt{r-n} + r} - \frac{1}{r - \sqrt{r-n}} = \frac{r-n}{\Delta \sqrt{r-n}} \rightarrow \frac{r - r\sqrt{r-n} - \sqrt{r-n}}{\varepsilon - r + n = r + n} \rightarrow \frac{-r\sqrt{r-n}}{r+n} = \frac{r-n}{\Delta \sqrt{r-n}}$

$-10(r-n) = (r-n)(r+n) \xrightarrow{-12} r+n = -10 \rightarrow n = -12$

جمع مساحت دو مستطین

مساحت

$$\frac{1}{n^r} + \frac{1}{(1-n)^r} = \frac{14_0}{9} \rightarrow \frac{(1-n)^r + n^r}{(n^r)(1-n)^r} = \frac{14_0}{9} \rightarrow \frac{r n^r - r n + 1}{(n^r)(1-n)^r} = \frac{14_0}{9}$$

$$\rightarrow \frac{1}{\epsilon} = \frac{14}{9} \rightarrow \frac{14}{9} + \frac{14}{9} = \frac{28}{9}$$

$$\frac{r(n^r - n) + 1}{(n - n^r)^r} = \frac{14_0}{9} \quad \frac{r t + 1}{t^r} = \frac{14}{9}$$

$$\rightarrow t = \dots, r, \frac{-r}{14}$$

$$S_1 = 1 \quad S_r = 1 \quad 1 + 1 = r$$

$$\sqrt{n + \sqrt{-n^r + \epsilon n^r + 10n - 100}} + \sqrt{n^r \sqrt{-n^r + 4n - 1}} = n + r$$

$$-n(n^r - r) + \epsilon(n^r - r) \quad \sqrt{n + \sqrt{(n + \epsilon)(n - \epsilon)(\epsilon - n)}} + \sqrt{n^r + \sqrt{-(n^r - \epsilon)(n - r)}} = n + r$$

$$\sqrt{(n^r - r)(\epsilon - n)} \quad \frac{\oplus}{\ominus} \rightarrow \checkmark$$

$$|n + r| + |n - 1| = \frac{-1}{r} n + \frac{14}{r} \rightarrow r|n + r| + r|n - 1| = -n + 14$$

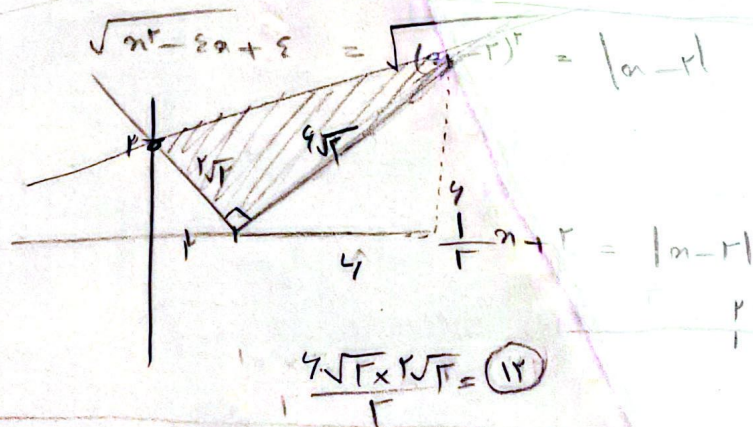
$$-r \quad 1$$

$$r n + 4 - r n + r = -n + 14 \quad 4n + r = -n + 14 \quad n = 3 \rightarrow r = 11 \quad y = 14$$

$$\sqrt{(v - \epsilon)^r + (r + \epsilon)^r} = \sqrt{\epsilon_0}$$

$$-4n - r = -n + 14 \quad -r_0 = \Delta n \quad r y - \epsilon = 14$$

$$n = -3 \quad y = 14$$



$$\frac{1}{t} + \frac{1}{t + 9} = \frac{1}{r_0} \rightarrow \frac{r t + 9}{(t)(t + 9)} = \frac{1}{r_0} \rightarrow t = 14$$

$$\epsilon_0 + 14_0 = t^r + 9t \rightarrow t^r + 14t - 14_0 = 0 \rightarrow (t - 14)(t + 14) = 0 \rightarrow t = 14$$

$$t = -14 \quad \epsilon_0 = 14$$