

$$\frac{\omega n + a}{fn} = \frac{1 + \sqrt{\omega}}{p}$$

گیتا عقیقہ پور
(سوال ۱)

$$1.0n + pa = fn + f\sqrt{\omega}n$$

$$4n - f\sqrt{\omega}n = -pa \Rightarrow a = (p\sqrt{\omega} - 3)n$$

$$\frac{S_r}{S_1} = \frac{(p + p\sqrt{\omega})n \times \cancel{fn}}{\cancel{fn} \times \omega n} \Rightarrow \boxed{\frac{p(1 + \sqrt{\omega})}{\omega}}$$

$$\text{قطر} = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

$$\frac{1 + \sqrt{\omega}}{p} = \frac{\sqrt{x^2 + y^2}}{n}$$

$$\frac{x^2}{y^2} = ?$$

(سوال ۲)

$$n + \sqrt{\omega}n = p\sqrt{x^2 + y^2} \quad 4x^2 + p\sqrt{\omega}n^2 = 4x^2 + 4y^2$$

$$p(1 + \sqrt{\omega})n^2 = 4y^2 \Rightarrow \boxed{\frac{x^2}{y^2} = \frac{1 + \sqrt{\omega}}{p}}$$

$$p - 3a = \sqrt{pa^2 + ka} \Rightarrow k + 9a^2 - 4a = pa^2 + ka$$

(سوال ۳)

$$va^2 - 4a + k = 0 \quad \text{قراردادن درصفا} \Rightarrow \frac{1}{v} = p \Rightarrow \frac{p}{v}$$

$$\frac{\frac{9}{\sqrt{v}}}{\frac{p}{v}} = \frac{9}{p} = \boxed{\frac{4}{\omega}}$$

$$a^2 - 4a + (k \times p \times v) = 0$$

$$\frac{(a - 4)}{14} \times \frac{(a - p)}{p}$$

$$\frac{p}{v} \times \frac{v}{p} = a$$

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

$$x > -1 \Rightarrow x > 1$$

$$x \neq 10$$

(سوال ۴)

$$\sqrt{x-1} = t$$

$$\frac{\sqrt{x-1}}{\sqrt{x-1} + p} = \frac{(\sqrt{x+1})(\sqrt{x-1} - p) + (\sqrt{x+1})(\sqrt{x-1} + p)}{x-10} = \frac{(\sqrt{x+1})(\sqrt{x-1})}{x-10} = \sqrt{x-1}$$

$$p\sqrt{x-10} = p\sqrt{x+1} \xrightarrow{\text{مربع کردن}} x^2 - 10x + 100 = 4x + 4$$

$$x^2 - 10x + 100 = 4x + 4 \Rightarrow \boxed{x > 1}$$

$$x^2 - 14x + 96 = 0$$

$$\boxed{x = 8 \text{ یا } 12}$$

۱۰ داده است، پس ۱۰

$$\frac{1}{t} + 2 + \frac{1}{t-2} = \frac{t}{\omega} \quad n \neq 1, n \neq 2$$

سوال 5

$$\frac{2t}{t^2-4} = \frac{t}{\omega}$$

$$t^2 - 4 = 1 \cdot t$$

$$t^2 - 4t = 0 \Rightarrow t(t-4) = 0$$

$$0 + \sqrt{16} - \sqrt{16} = \sqrt{2-2}$$

عقود
x=2

x=-12

نوار چون عقود

$$\frac{1}{n^2} + \frac{1}{(1-n)^2} = \frac{14}{9} \rightarrow \frac{14}{9} + \frac{144}{9} = 14 \xrightarrow{\omega=1} \left(\frac{1}{2}\right), \left(\frac{1}{2}\right)$$

سوال 9

$$\omega=1 \Rightarrow \frac{1}{2} + \frac{1}{2} = 1$$

$$\sqrt{n^2 - n^2 + \varepsilon n^2 + 2an - 100} + \sqrt{a^2 + \sqrt{-n^2 + 2an - 100}} = n + 2$$

سوال 7

$$\sqrt{n^2 - n(n^2 - 2a) + \varepsilon(n^2 - 2a)}$$

→

سوال 7

$$\sqrt{n} + \sqrt{n^2} \rightarrow 2 + n$$

سوال 1

$$\frac{14-n}{2} = |2n-1| + |2n-1|$$

$$n \geq 2 \Rightarrow 14-n = 4n+2 \Rightarrow [2n=2] \Rightarrow y=2$$

$$\sqrt{4^2 + 2^2} = \sqrt{20} = 2\sqrt{5}$$

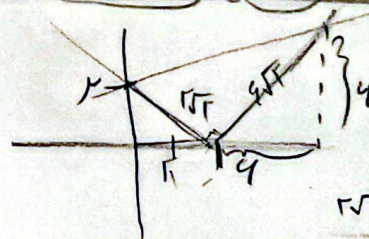
$$n > 1 \Rightarrow 14-n = -9 \Rightarrow n = 24$$

$$n < 1 \Rightarrow 14-n = -4n-2 \Rightarrow [n=-4] \Rightarrow y=2$$

$$\sqrt{n^2 - \varepsilon n + \varepsilon} = \sqrt{(n-2)^2} = |n-2|$$

$$|n-2| = \frac{1}{2}n+2 \rightarrow$$

$$n=0 \Rightarrow y=2 \quad n=1 \Rightarrow y=2$$



سوال 9

$$\frac{2\sqrt{2} \times 4\sqrt{2}}{2} = 12$$

$$\frac{1}{n+5} + \frac{1}{n+9} = \frac{1}{10} \Rightarrow \frac{(n+9)(n)}{10n+9} = 10$$

سوال 10

34h

$$10 \cdot n \neq 100 = n^2 + 9n \quad (34h)$$

$$n^2 - 9n - 100 \rightarrow (n-34)(n+5)$$