

اشفاق حسینی

18, 25

$$\frac{\frac{1+\sqrt{5}}{2}n}{\frac{1}{2}n} = \frac{1+\sqrt{5}}{1} \checkmark$$

(2) - 1

$$b^r = \frac{1+\sqrt{5}}{2} a^r \Rightarrow \frac{a^r}{b^r} = \frac{\sqrt{5}-1}{2} \checkmark$$

(2) - 5

$$9a^r - 12a + 1 = 5a^r + 4a \Rightarrow 4a^r - 14a + 1 = 0$$

(2) - 7

$$\Rightarrow a = \frac{14 \pm \sqrt{196-4}}{8} = \frac{14 \pm \sqrt{192}}{8} \Rightarrow \frac{a+1}{2} = \frac{7 \pm \sqrt{12}}{4} = 2, 1 \checkmark$$

$$\sqrt{n+1} \left(\frac{1}{\sqrt{n+1}+2} - \frac{1}{2-\sqrt{n-1}} \right)$$

(2) 6

$$\rightarrow \sqrt{n+1} \cdot \left(\frac{-2\sqrt{n-1}}{10-n} \right) = \sqrt{n-1}$$

$$\Rightarrow -2\sqrt{n+1} = 10-n \Rightarrow n^2 - 24n + 96 = 0$$

$$\Rightarrow n = \frac{24 \pm \sqrt{576-384}}{2} \Rightarrow n = 12 \pm 4\sqrt{3} \checkmark$$

$$\frac{z-2+z+2}{z^2-4} = \frac{z}{2} \Rightarrow z^2 = 16 \Rightarrow z = \pm \sqrt{16}$$

(2) - 11

$$\Rightarrow \sqrt{2-n} = \sqrt{16} \Rightarrow n = -14 \checkmark$$

$$\frac{1}{n^r} + \frac{1}{(n+1)^r} = \frac{14}{9} \Rightarrow \frac{2n^r - 2n+1}{n^r(n+1)^r} = \frac{14}{9}$$

(2) - 5

$$\Rightarrow \left(\frac{2n+1}{2} \right)^r = 9.49 \rightarrow \begin{cases} 2 = \frac{5}{2} \rightarrow n^2 - n - \frac{r}{12} = 0 \\ 2 = -\frac{5}{2} \rightarrow \end{cases}$$

$s=1$

$\Rightarrow 1+1=2 \checkmark$

فقط یک جواب - $\checkmark$ $\rightarrow$ اشتراک دانه ها

را حل ؟!

(۱۲۵)

- ۷

$$4n + 2 = -n + 17 \Rightarrow n = 2 \quad \text{وقتی}$$

$$-n + 17 = 9 \Rightarrow n = 1 \rightarrow \text{وقتی}$$

$$-2n - 1 = -\frac{1}{2}n + \frac{17}{2} \Rightarrow n = -4 \quad \text{وقتی}$$

$$\Rightarrow \sqrt{5^2 + (-2)^2} = \sqrt{29} \quad \checkmark$$

(۲)

$$|n-2| \rightarrow n-2 = \frac{1}{2}n + 2 \Rightarrow \frac{1}{2}n = 4 \Rightarrow n = 8, y = 4 \quad \checkmark$$

$$n-2 = \frac{1}{2}n - 2 \Rightarrow \frac{1}{2}n = 0 \Rightarrow n = 0, y = 2 \quad \checkmark$$

$$n = 2, y = 0 \quad \checkmark$$

$$\begin{array}{c} \wedge \\ | \begin{array}{c} 8 \\ 4 \end{array} \quad \vee \begin{array}{c} 0 \\ 2 \end{array} \quad \vee \begin{array}{c} 2 \\ 0 \end{array} \quad \vee \begin{array}{c} 0 \\ 8 \end{array} \end{array}$$

$$\Rightarrow 16 + 12 = 28 \quad \text{بند کفشی} \quad \Rightarrow \frac{28-4}{2} = 12 \quad \checkmark$$

$$\begin{array}{c} n \\ n+9 \end{array}$$

$$\frac{n^2 + 9n}{2n+9} = 20 \Rightarrow n = 24 \quad \checkmark$$

(۲)

بررسی دانه ها :

$$1) -n^3 + 4n^2 + 25n - 100 \geq 0 \rightarrow -(n-4)(n-5)(n+5) \geq 0$$

$$\frac{-5 \quad 4 \quad 5}{+ \quad - \quad + \quad -} \quad n \in (-\infty, 5] \cup [4, 5]$$

$$2) -n^2 + 4n - 8 \geq 0 \rightarrow n \in [2, 4]$$

$$3) \text{ زیر رادیکال اول } \geq 0 \rightarrow n \geq 0$$

$$4) \text{ زیر رادیکال دوم معادله مثبت}$$

$$5) n+2 \geq 0 \rightarrow n \geq -2$$

جواب رادیکال

$$n = 4$$

در معادله صدق می کند
و مقدارش ۴ است $\checkmark$