

14, 15

سری سوالات

$$\begin{aligned} x - y &= 2 \\ x + 2y &= -4 \end{aligned}$$

$$2x = 14$$

$$x = 7$$

$$7 + 2y = -4$$

$$2y = -11$$

$$y = -5.5$$

$$\frac{x}{y} = \frac{7}{-5.5} \checkmark$$

$$-\frac{a}{2} + \frac{a}{y} = +a$$

$$\frac{a}{y} - \frac{a}{2} = +a$$

(1, 1)

$$\frac{-1}{y} = 1 \Rightarrow \begin{cases} x = -1 \\ y = -1 \end{cases} \checkmark$$

$$\frac{a}{2} + v = -a$$

$$\frac{-1}{-1} = \frac{1}{-1} \quad \boxed{\frac{1}{-1}}$$

$$\frac{a}{2} = -1$$

$$-1 \cdot a = 2$$

$$a = \boxed{-2} \quad \text{دقت!}$$

$$a + 1 = -2$$

$$a = -3$$

$$2a + 2b = -4$$

$$-4 + 2b = -4$$

$$\boxed{b = 0} \checkmark$$

(2)

$$m^2 - 3m = -2$$

$$m^2 - 3m + 2 = 0$$

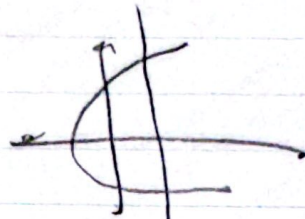
$$(m-1)(m-2) = 0$$

$$m = +1 \rightarrow (2, 4) (2, 3)$$

$$\boxed{m = +2} \rightarrow (3, 5) (3, 4) \times$$

(1, 2)

هم مقدار
م



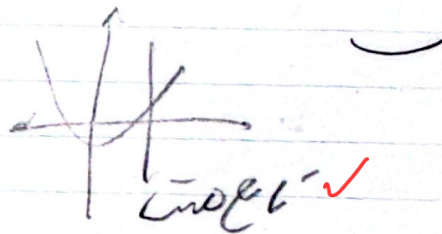
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(1)

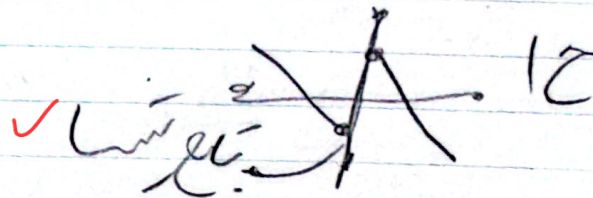
مقدار ✓

ب

(2)

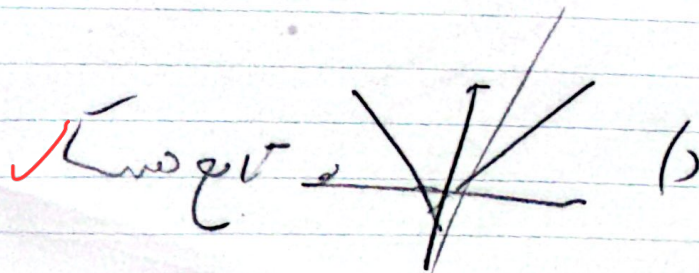


مقدار ✓



مقدار ✓

ب



مقدار ✓

ب

$$x=0 \quad x=1$$

$$y = -1 \quad y = -\sqrt{x}$$

5

2

$$\left. \begin{aligned} y_1 &= -\sqrt{t+1} \\ y_2 &= -\sqrt{t+1} \end{aligned} \right\} \Rightarrow y_1 = y_2 \Rightarrow \sqrt{t+1} = \sqrt{t+1}$$

$$t+1 = t+1$$

$$y = \sqrt{1-y^2}$$

$$y^2 = 1 - y^2$$

$$2y^2 = 1$$

$$y = \pm \frac{1}{\sqrt{2}}$$

$$\frac{\sqrt{2}}{2}$$

6

$$x=1 \Rightarrow y = \pm 1$$

باعینست ✓

1.5

تقصیر کردن!

فقط بزرگ

$$(x+y) = 0$$

$$x+y=0$$

$$y = -x$$

$$x=2$$

$$x=0$$

$$x=-1$$

باعینست ✓

$$\frac{r}{r} - \frac{r}{r} = \frac{r + r(r+w)}{1 + r} = \text{Long}$$

\sqrt{r} \sqrt{r}

2) (r)

11

$$x = -1$$

$$\begin{aligned} -1 - a + b &= -r \\ +r + a &= +r \end{aligned}$$

(r)

$$y = rx - a$$

$$+r + b = 0$$

$$b = -r$$

$$y = x^r + ax - r$$

$$-r = -1 - a - r$$

$$-1 = -a$$

$$a = 1$$

$$x^r + x - r = rx - 1$$

$$x^r - rx - 1 = 0$$

$$\begin{array}{r} x^r - rx - 1 \quad | \quad x+1 \\ -x^r + rx \\ \hline +rx - rx - 1 \\ +x^r + x \end{array}$$

$$x^r - rx - 1$$

$$x^r - x - 1 = 0$$

$$x = \frac{1}{1} = 1 \quad \checkmark$$

$$-x - 1$$

$$+x + 1$$

$$r a = a + b$$

$$a = b$$

(r)

$$r a = a - r(a) + 1$$

$$r a = -a + 1$$

$$r a = 1$$

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

(10)

$f(1) \rightarrow f(2) \rightarrow f(x)$

$$\frac{14 - r a + c + 1}{r b + r}$$

$$\frac{r(a + c + 1)}{b + r} = \frac{c + 1}{r}$$

$$r a + r = c + 1$$

$$\frac{r(-a + c + 1)}{b + r} = 1$$

$$r = 0 \quad \frac{c + 1}{r} = 0 =$$

$$b + r = r - a + c + 1$$

$$c + 1 = 0$$

$$r b + r = 14 - r a + c + 1 = \frac{c + 1}{r} =$$

$\sum_{i=1}^n N_i$

$$a + b + c = r r$$

$$\frac{fn^r - an + C + 1}{bn + r} = n \rightarrow fn^r - an + C + 1 = bn^r + rn \quad -10$$

$$b = f \quad a = -r \quad c = -1 \xrightarrow{\text{جمع}} \underline{\text{صفر}}$$

$$\boxed{f(n) = n} \quad \text{ضابطه تابع همانز بصورت}$$