

$$r - f \times 9$$

$$r + f \times 9$$

$$n=0 \rightarrow \text{خرج} \neq 0$$

$$n=\frac{1}{2} \rightarrow \text{خرج} = 0 \quad X$$

$$n=-1 \rightarrow \text{خرج} \neq 0$$

$$(3) \text{ گزینه } (5)$$

۲ عنصر



$$((B-A)-C) \cup ((C-B)-A)$$

$$\frac{\Delta n}{0} \quad \frac{C_1 \cap}{A}$$

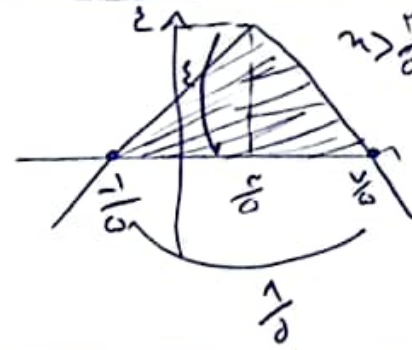
$$(1, 5) \checkmark$$

$$f(x) = x \rightarrow f(r-r) = -r$$

$$a - r - r = -r \rightarrow a = \frac{r}{2}$$

$$y = \frac{r}{2}x^2 + rx - r \rightarrow \text{طول رأس} = -\frac{r}{2(\frac{r}{2})} = -1$$

$$(4) \text{ گزینه } (4)$$



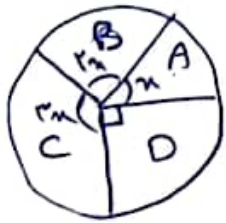
$$n > \frac{r}{2} \rightarrow \varepsilon - (2n-r)$$

$$\varepsilon - 2n + r$$

$$r - 2n = 0$$

$$n = \frac{r}{2} \quad \frac{\varepsilon \times \frac{r}{2}}{r} = \frac{r}{2} = 2, 1$$

$$(3) \text{ گزینه } (1)$$



$$\frac{240}{96} = \frac{90}{D} \rightarrow D = 36$$

$$2m + 2n + n + 2\varepsilon = 97 \quad 2m = 97 \rightarrow m = 48.5$$

$$\frac{240}{9} = 26.6$$

$$(9) \text{ گزینه } (9)$$

$$ax^2 + (r-2a)x - 18 = 0 \quad (1)$$

$$(5) \text{ گزینه } (5)$$

$$(x-1, 2) + b = 0$$

$$x^2 - \frac{27}{10}x + \frac{179}{100} - b = 0 \rightarrow ax^2 - \frac{27}{10}ax + (\frac{179}{100} - b)a = 0$$

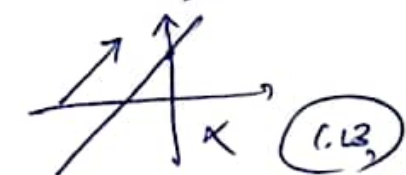
$$r - 2a = -\frac{27}{10}a \rightarrow a = 5$$

$$(\frac{179}{100} - b) \times 5 = -18 \rightarrow 1, 79 - b = -3.6 \rightarrow \sqrt{b} = 2, 3$$

$$\frac{r-a}{r} = \frac{r}{a} \rightarrow ra - a^2 = a \rightarrow a^2 - ra + a = 0 \quad (a-a)^2 = 0 \rightarrow a = r$$

$$\frac{r}{n} = \frac{n+1}{n+2} \rightarrow n^2 + n = r^2n + 2r \rightarrow n^2 - r^2n - 2r = 0 \quad \Delta > 0 \rightarrow \text{حدا}$$

$$y = ax + \frac{a+1}{2}$$



① ۱۱

$$7-2=5 \rightarrow 5 \times 5 = 25$$

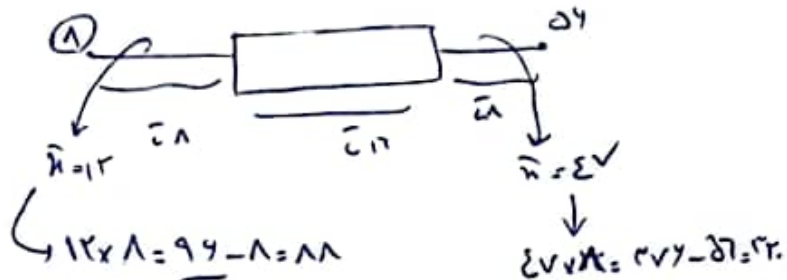
③ ۱۲

$$\left[\frac{(1+1) \times 0.5}{2} \right] = [1, 5] = 1$$

② ۱۳

$$\bar{n} = 21$$

④ ۱۴



$$12 \times 1 = 94 - 1 = 11$$

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$$\frac{\left(\frac{1}{2} \right) \left(\frac{1}{2} \right) + \left(\frac{1}{2} \right) \left(\frac{1}{2} \right) + \left(\frac{1}{2} \right) \left(\frac{1}{2} \right)}{\left(\frac{1}{2} \right)} = \frac{11}{12}$$

۱۲-۲-۱/۲۲

$$a_r = 11 \quad a_r = 12 \quad a_1 = 11 \quad a_3 = 12$$

$$a_2 = 17 \quad a_v = 1 \quad a_n = 1$$

$$a_r + a_1 = 12 \rightarrow a_1 + 1 = 12$$

$$S_q = 11V \rightarrow \frac{1}{r} (ra_1 + nd) = 11V \rightarrow a_1 + d = 11$$

$$a_1 = 11$$

$$rd = -1 \rightarrow d = -1 \rightarrow a_1 = 12$$

$$a_1 = \frac{1}{2}, r = \frac{1}{2} \quad S_r = \frac{\frac{1}{2}(1 - (\frac{1}{2})^n)}{1 - \frac{1}{2}} = \frac{\frac{1}{2}(1 - \frac{1}{2^n})}{\frac{1}{2}} = 1 - \frac{1}{2^n}$$

$$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$$

$$a^{-n} \rightarrow \left(\frac{1}{a} \right)^n \rightarrow \frac{1}{a} > 1 \rightarrow a < 1 \rightarrow \frac{1}{a} > 1$$

$$a < 1 \rightarrow a < \sqrt{a} < \sqrt[3]{a} < \sqrt[4]{a}$$