

نام و نام خانوادگی: ازهر ایزدایین (ن): پاسخنامه تشریحی تکلیف شماره کلاس: ازهر رخت: B

$$A = (-2, 1+c) \quad B = (4, -2+c)$$

$$\sqrt{4^2 + (1+c+2-c)^2} = \sqrt{40}$$

$$(\sqrt{40})^2 = \boxed{40}$$

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$$-x+2 = x-1 \rightarrow x=1.5$$

$$\sqrt{4^2 + 3^2} = 5$$

$$\left(\sqrt{(x+1)^2 + (y+2)^2}\right)^2 = x^2 + y^2 + 1 + 2y + 2x \rightarrow -4y = 6 \rightarrow y = -1$$

$$\sqrt{(x-2)^2 + (y-1)^2} = \sqrt{4+25} = 5.15 \quad 2.15 + 5 = 7.15 \rightarrow 7.15 \times 2 = \boxed{14}$$

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$$\tan \theta_0 = \sqrt{3} \rightarrow \frac{r \sin \theta}{1 - r \cos \theta} = \sqrt{3} \rightarrow \sqrt{3} r \sin \theta - \sqrt{3} = -r \cos \theta \rightarrow m^2 + 2m - 3 = (m+3)(m-1)$$

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

$$\frac{\sqrt{3}}{r} + \sqrt{3} = \boxed{\frac{r\sqrt{3}}{r}}$$

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$$BC = \frac{11-r}{v-r} = 2 \rightarrow BC = 2m-r \rightarrow 2x-r-y=0$$

$$A = (1, 9)$$

$$\frac{|2-9-r|}{\sqrt{5}} = \frac{10}{\sqrt{5}} = \boxed{2\sqrt{5}}$$

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4

$$B: 2y - vx = -19$$

$$y + 2x = v$$

$$\rightarrow x = -\frac{19+3}{+11} \quad y = \frac{-14}{+11}$$

$$\hookrightarrow x = 3 \quad \hookrightarrow y = 1$$

$$AC = 4y - vx - 14 = 0$$

$$\frac{|4-39-14|}{\sqrt{25}} = \boxed{\frac{42}{5}}$$

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5

$$a = -\frac{q}{\frac{r}{f}} \rightarrow a = -\frac{1}{f} \quad d = -\frac{1}{f} \cdot n = -\frac{1}{f}$$

$$y = z = -\frac{1}{f} \cdot n = -\frac{1}{f} \rightarrow \text{مخرج} = \frac{r}{f} \rightarrow \boxed{b = \frac{r \sqrt{f}}{f}}$$

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$$a = 1 \xrightarrow{\text{نوب}} \frac{1}{\sqrt{f}}$$

$$\text{if } a = 1 \rightarrow y - n = 0 \quad \checkmark$$

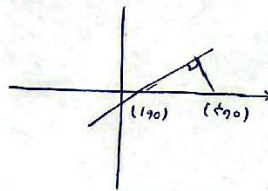
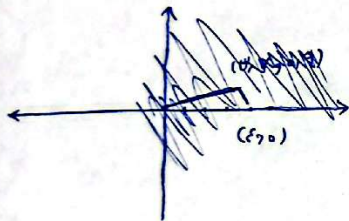
$$\frac{1}{r} + b = r \rightarrow b = \frac{r}{f} = \frac{V}{\sqrt{f}}$$

$$\text{if } a = -1 \rightarrow y + n - 1 = 0 \quad \times$$

$$\frac{V}{\sqrt{f}} \times \frac{1}{\sqrt{f}} = \boxed{\frac{V}{f}}$$

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$$\frac{|f-1-0|}{\sqrt{10}} = \frac{r}{\sqrt{10}} \quad \text{AH}$$

$$\sqrt{\left(\frac{r}{10}\right)^2 + \left(\frac{q}{10}\right)^2} = \sqrt{\frac{10}{100}} = \frac{q}{\sqrt{10}}$$

$$\left. \begin{array}{l} x - 3y = 1 \\ 3x + y = 12 \end{array} \right\} \quad x = \frac{13}{10} \quad y = \frac{9}{10}$$

$$\frac{1}{f} \times \frac{r}{\sqrt{10}} \times \frac{q}{\sqrt{10}} = \boxed{\frac{rV}{f_0}}$$

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$$\left(-\frac{1}{f}, -\frac{\sqrt{f}}{f} + c\right) \left(-\frac{1}{f}, -\frac{\sqrt{f}}{f} + c\right)$$

$$\sqrt{\left(\frac{1}{f}\right)^2 + \left(-\frac{\sqrt{f}}{f} + c + \frac{\sqrt{f}}{f} - c\right)^2} = \sqrt{\frac{1}{f^2} + \frac{f}{f^2}} = \frac{f}{f} \rightarrow \text{مخرج} \rightarrow \text{مخرج} = \boxed{\frac{r \sqrt{f}}{f}}$$

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$$L: y = \frac{r}{f}x - \frac{r}{f}$$

$$L': y = \frac{f}{r}x + k$$

$$OA = a \quad OL' = \frac{r}{a}k = a \rightarrow k = \frac{ra}{r}$$

$$\frac{ra}{1r} a = \frac{-1ra}{1r} \rightarrow u_B = -v \quad y_B = -1$$

$$v \cdot 1 = v$$

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