

در معاصی دخی

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$$\sqrt{m} \pm \sqrt{m} = 0$$

$$\alpha - \beta = \frac{\sqrt{\Delta}}{|a|} = \frac{\sqrt{r_1 + r_2 \times \sqrt{r_1 \times r_2}}}{\sqrt{r_2}} = \frac{r_1}{r_2} \times \frac{\sqrt{r_2}}{\sqrt{r_2}} = \frac{r_1}{r_2}$$

$$y = r_n - r \rightarrow BC = r_n - y - r = .$$

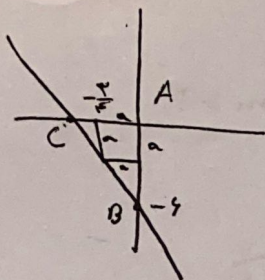
$$d = \frac{|ax+by+c|}{\sqrt{a^2+b^2}} = \frac{|r-9-r|}{\sqrt{1+1}} = \frac{10}{\sqrt{2}} \times \frac{\sqrt{2}}{\sqrt{2}} = 5\sqrt{2}$$

$$n = \frac{-19 - 1\sqrt{17}}{-5 - 1\sqrt{17}}$$

$$y = \frac{-2n + 59}{-v - 5} = -1$$

$$B_C = r_y - r_m = -19$$

$$AC \text{ is not } = \frac{|f_y - y_m - 12|}{\sqrt{r_x^2 + r_y^2}} = \frac{|-f + 9 - 12|}{8} = 1$$



$$\frac{y-a}{y} = \frac{a}{-1/a} \rightarrow 1 - \frac{a}{y} = -a \rightarrow \frac{a}{y} = 1 + a \rightarrow a = \frac{y}{1+a}$$

$$a(1+a) = y \rightarrow a + a^2 = y \rightarrow a^2 + a - y = 0$$

$$ay - a = a - 1 \rightarrow y = \frac{2a}{a} + \frac{a-1}{a} \rightarrow \frac{1}{a} = a \rightarrow a^2 = 1 \rightarrow a = \pm 1$$

$$y - a = 1 \rightarrow y = a + 1$$

$$a = 1 \rightarrow y = x \quad y = x + 1 \quad a = -1 \rightarrow y = -x + 1, y = -x + 1000$$

$$a = 1 \rightarrow y = \frac{|C - C|}{\sqrt{a^2 + b^2}} = \frac{1}{\sqrt{2}} \times \frac{\sqrt{2}}{\sqrt{2}} = \frac{\sqrt{2}}{2}$$

$$a = \sqrt{a^2 + b^2} = \left(\frac{\sqrt{2}}{2}\right)^2 + 1^2 = \frac{3}{2}$$

$$2^2 = \frac{4}{1} \rightarrow \frac{\sqrt{2}}{\sqrt{2}} \times \frac{\sqrt{2}}{\sqrt{2}} = \frac{\sqrt{2}}{1}$$

$$a - y = 1 \rightarrow y = x + 1 \rightarrow y = \frac{1}{2}x - \frac{1}{2}$$

$$A(1, 0) \quad d = \frac{|1 - 1|}{\sqrt{1 + 1}} = \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2}$$

$$B\left(\frac{1}{2}, \frac{1}{2}\right)$$

$$m_A C = -1 \rightarrow y = -1(x - 1) = -x + 1$$

$$\frac{1}{2}x - \frac{1}{2} = -x + 1 \rightarrow \frac{3}{2}x = \frac{3}{2} \rightarrow x = 1, y = 0$$

$$\begin{bmatrix} 1 & 1 & 1 \\ 0 & 1 & 0 \\ 1 & 1 & 1 \end{bmatrix} \quad r_2 \leftrightarrow r_1, r_3 = r_1$$

$$S = \frac{1}{2} \times 1, 1 = 1, 2$$

$$distance = \sqrt{(x_A - x_B)^2 + (y_A - y_B)^2}$$

$$-\frac{1}{2} - (-\frac{1}{2}) = \frac{1}{2}$$

$$b - a = \frac{\sqrt{2}}{2}$$

$$m = \frac{b - a}{-\frac{1}{2} - (-\frac{1}{2})} = \frac{b - a}{\frac{1}{2}} = \sqrt{2} \rightarrow b - a = \frac{\sqrt{2}}{2}$$

$$\sqrt{\frac{1}{4} + \frac{1}{4}} = \sqrt{\frac{2}{4}} = \frac{\sqrt{2}}{2} = \frac{1}{\sqrt{2}}$$

$$distance = \frac{\sqrt{2}}{2}$$

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$$\text{شعاع دایره} = \sqrt{r^2 + r^2} = r$$

$$m_{OA} = \frac{r}{r} \rightarrow m_L = -\frac{r}{r}$$

$$m_{L'} = \frac{r}{r}$$

عمود L بر OA

$$OA = y = \frac{r}{r}x, L' = y = \frac{r}{r}x + C$$

$$L' \text{ از } OA \text{ دور} = r = r \rightarrow \frac{C}{\sqrt{1 + (\frac{r}{r})^2}} = \frac{C}{\frac{r}{r}} = \frac{r}{r} = r$$

$$C = \frac{r}{r}$$

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

$$L = y + r = -\frac{r}{r}(x + r)$$

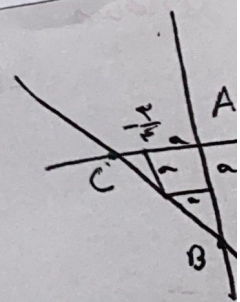
$$y = -\frac{r}{r}x - \frac{r}{r}$$

$$\left(\frac{r}{r}x_B + \frac{r}{r} = -\frac{r}{r}x_B - \frac{r}{r} \right) \times 12 \rightarrow 14x_B + 100 = -9x_B - 70 \rightarrow 23x_B = -170$$

$$x_B = -\frac{170}{23}$$

$$y_B = -\frac{r}{r}x_B - \frac{r}{r} = -1$$

$$x_B \times y_B = 1$$



$$y = \frac{a}{a}$$

$$ay =$$

$$y =$$

$$a = 1$$