

نام و نام خانوادگی: علی ربانی

یا ستھانہ تکلیف شمارہ : ۱۷ $\sqrt{1523} \cdot (5y)^2$

1

5

$$m_{BC} = \frac{3}{2}$$

$$\Delta = 14 + 28 = 42$$

$$x = \frac{-8 \pm \sqrt{15}}{1} = \left(\frac{15}{1} \right), -\frac{2}{1}$$

$P = 2\left(\frac{5}{2} + 5\right) = 15$ جواب نمائے

3

$$\Delta = \xi + \xi_x \zeta = 14$$

$$m = \frac{-2 \pm \sqrt{8}}{2\sqrt{2}} \rightarrow \begin{cases} \frac{-2 + \sqrt{8}}{2\sqrt{2}} \text{ (1)} \\ \frac{-2 - \sqrt{8}}{2\sqrt{2}} \text{ (2)} \end{cases}$$

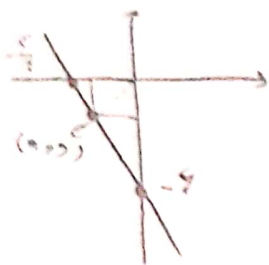
5

$$r = r_x \sqrt{13}$$

$$\frac{22}{5}$$

$$112 = 2^3 \cdot 7$$

$$x = 2 \quad y = 1$$



$$\frac{y}{-4} + \frac{x}{-2} = 1$$

$$y = x$$

$$\Rightarrow x = -x - 5$$

$$2x = -5$$

$$x = -\frac{5}{2} = -\frac{2.5}{1}$$

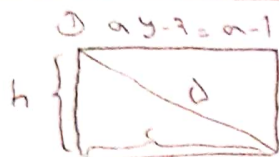
$$\left(\frac{y}{-4} + \frac{x}{-2} = 1\right) \times 4 =$$

$$y + 2x = -4 \quad y = -2x - 4$$

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

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

-4



$$m_1 = m_2 \Rightarrow \frac{1}{a} = \frac{a}{1} \Rightarrow a = 1$$

$$ay = x + a - 1 = y = x$$

$$h = \frac{|1 - 0|}{\sqrt{1+1}} = \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2}$$

-V

$$y - ax = 1 \Rightarrow y = ax + 1 = y = x + 1$$

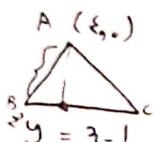
$$\left(\frac{\sqrt{2}}{2}\right)^2 + c^2 = d^2$$

$$\frac{1}{2} + c^2 = d^2$$

$$c^2 = d^2 - \frac{1}{2}$$

$$c^2 = \frac{1}{2} \Rightarrow c = \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2}$$

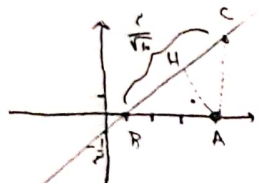
$$S = \frac{\sqrt{2}}{2} \times \frac{\sqrt{2}}{2} = \frac{2 \times V}{4} = \frac{V}{2} \rightarrow \text{جواب نهایی}$$



$$BC = AC = \frac{|2y - x + 1|}{\sqrt{10}} = \frac{1}{\sqrt{10}}$$

مقدار BC و AC برابر $\frac{1}{\sqrt{10}}$ است

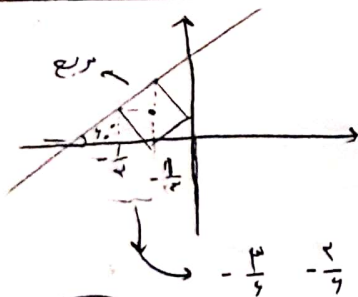
-A



$$S_{ABC} = \left(\frac{1}{\sqrt{10}} \times \frac{1}{\sqrt{10}}\right) \times \frac{1}{2} = \frac{1}{20}$$

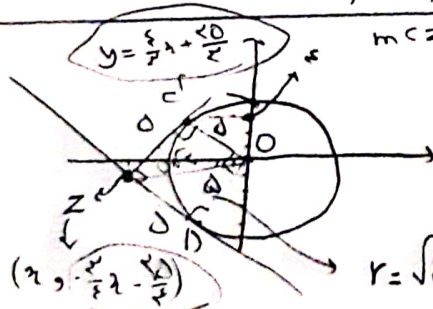
$$\tan \alpha = \sqrt{3} \Rightarrow \alpha = 60^\circ$$

-9



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

$$-\frac{1}{4} - \frac{2}{4} \xrightarrow{\text{حاصل}} = \frac{1}{4}$$



$$m_{CD} = m_{OD} = \frac{0 - 5}{0 - 10} = \frac{1}{2}$$

$$y = \frac{5}{2}x + \frac{20}{3} \Rightarrow y = \frac{5}{2}x$$

$$x + y = -10 \Rightarrow V = \sqrt{10}$$

$$m_{CD} = -\frac{2}{5}$$

$$y = -\frac{2}{5}x + b$$

$$-5 = -\frac{2}{5} \times 10 + b \Rightarrow -\frac{20}{5} = y = -\frac{2}{5}x - \frac{20}{5}$$

$$\frac{|c - c'|}{\sqrt{a^2 + b^2}} = \frac{|10 - c'|}{\sqrt{\frac{16}{25} + 1}} = 0 \Rightarrow \frac{10 - c'}{\sqrt{\frac{25}{25} + 1}} = c'$$

$$y = -1$$

$$\left(-\frac{2}{5}x - \frac{20}{5} = \frac{5}{2}x + \frac{20}{3}\right) \times 15 \Rightarrow -9x - 40 = 15x + 100 \Rightarrow -24x = 140 \Rightarrow x = -\frac{140}{24} = -\frac{35}{6}$$