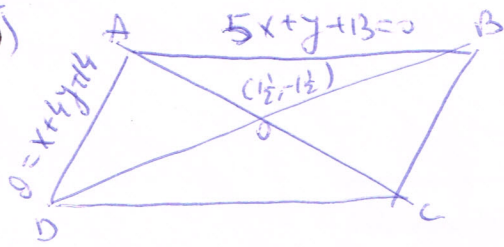


10
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$$A: \begin{cases} 5x + y + 13 = 0 \\ x + 4y + 4 = 0 \end{cases} \Rightarrow \begin{cases} x = -2 \\ y = -3 \end{cases} \quad A(-2, -3)$$

$$\begin{aligned} \frac{c_x}{0_x} &= \frac{C_x + A_x}{2} \rightarrow 1\frac{1}{2} = \frac{C_x + (-2)}{2} \Rightarrow C_x = 5 \\ 0_y &= \frac{C_y + A_y}{2} \rightarrow -1\frac{1}{2} = \frac{C_y + (-3)}{2} \Rightarrow C_y = 0 \end{aligned} \quad c(5, 0)$$

$$\begin{aligned} \underline{BC}: \quad m &= -\frac{1}{4} \quad c(5, 0) \\ y - 0 &= -\frac{1}{4}(x - 5) \rightarrow y = -\frac{1}{4}x + \frac{5}{4} \rightarrow x + 4y - 5 = 0 \end{aligned}$$

$$\begin{aligned} \underline{DC}: \quad m &= -5 \quad c(5, 0) \\ y - 0 &= -5(x - 5) \rightarrow y = -5x + 25 \rightarrow y + 5x - 25 = 0 \end{aligned}$$

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$$-2x + 3y + 11 = 0 \rightarrow y = \frac{2}{3}x - \frac{11}{3}$$

$$m = \frac{2}{3} = \tan \alpha$$

$$\alpha = 33.69$$

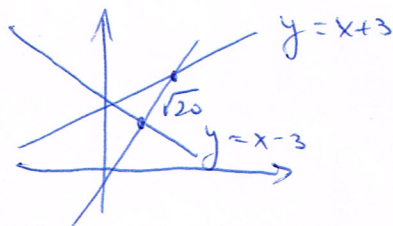
$$m = \tan(\alpha + 45) = 5$$

לפי הוסי שלנו בראשית

$$y - 4 = 5(x + 1)$$
$$y = 5x + 9$$

אזכור בנק (-1,4)

13
40



אם לא הוסי שלקבר בבר ראשון הוסי

במקום m ונקודה (0,0)

$$y - 0 = m(x - 0)$$
$$y = mx$$

ישלול ה-x

x₁ = ?

$$y = x + 3$$

אזכור בנק הוסי של

$$mx_1 = x_1 + 3$$

$$x_1 = \frac{3}{m-1}$$

$$\left(\frac{3}{m-1}, \frac{3}{m-1} + 3\right)$$

$$mx_2 = -x_2 + 3$$

$$x_2 = \frac{3}{m+1}$$

$$\left(\frac{3}{m+1}, -\frac{3}{m+1} + 3\right)$$

x₂ = ?

$$y = -x + 3$$

ישלול ה-x וזכור בנק הוסי של

$$(\sqrt{20})^2 = \left(\frac{3}{m-1} - \frac{3}{m+1}\right)^2 + \left(\frac{3}{m-1} + 3 - \left(-\frac{3}{m+1} + 3\right)\right)^2$$

הנחתה בין הנקודה הזו

$$20 = \left[\frac{3m+3-3m+3}{(m-1)(m+1)}\right]^2 + \left[\frac{3m+3+3m-3}{(m-1)(m+1)}\right]^2 = \frac{36}{(m-1)^2(m+1)^2} + \frac{36m^2}{(m-1)^2(m+1)^2} \cdot \frac{1}{(m-1)^2(m+1)^2}$$

$$20(m-1)^2(m+1)^2 = 36m^2 + 36$$

$$20m^4 - 40m^2 + 20 = 36m^2 + 36$$

$$20m^4 - 76m^2 - 16 = 0$$

$$20t^2 - 76t - 16 = 0 \quad m^2 = t \quad | \Delta = 100$$

$$t_1 = 4 \quad t_2 = -\frac{1}{5}$$

$$m^2 = 4$$

$$m^2 = -\frac{1}{5}$$

$$m = \pm 2$$

$$\rightarrow y = 2x \quad \text{או} \quad y = -2x$$