

$$ry = rx - 1 \Rightarrow y = \left(\frac{r}{r}\right)x - \frac{1}{r}$$

$$ry = r - rx \Rightarrow y = 1 - \left(\frac{r}{r}\right)x$$

$$y = x - \frac{r}{110}$$

$$\frac{1}{110}$$



$$\tan \alpha = 1$$

$$\frac{r}{110} y = \frac{a}{110} x + b$$

$$\frac{r}{110} = \frac{a}{110} + b$$

$$b = \frac{-r}{110}$$

$$\begin{cases} rx - ry = 1 \\ rx + ry = r \end{cases} \Rightarrow \begin{cases} 4x - 4y = 4 \\ 4x + 4y = 4 \end{cases}$$

$$-8y = -4$$

$$y = \frac{1}{2} \quad x = \frac{1}{2}$$

$$y = -rx + r$$

$$y = rx + r$$

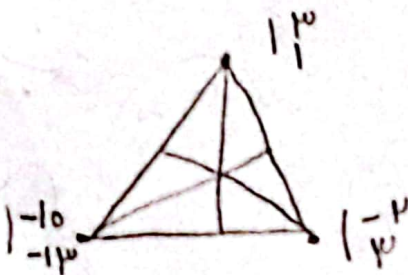
$$AB = \sqrt{(-1)^2 + (4)^2} = 10$$

الف - 4

$$AB_{\text{بسط}} = M = \begin{vmatrix} -6 & -3 \\ 1 & -2 \end{vmatrix} = -12 \Rightarrow x$$

$$\begin{vmatrix} 1 & -2 \\ 1 & -1 \end{vmatrix} = 1 \Rightarrow y$$

$$\begin{vmatrix} 1 & -2 \\ 1 & -1 \end{vmatrix} = 1$$



الف - 7

صحيح مرئى

$$m = \frac{\Delta y}{\Delta x} = \frac{-4}{1} = -4$$

$$y = -4x + b \rightarrow 11$$

$$y = -4x + 11$$

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$$y = -4x + b \rightarrow 11$$

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

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

$$y = -4x + 11$$

ع =

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

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

$$y = -4x + b \rightarrow -10$$

$$y = -4x - 10$$

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$$\tan 40 = \sqrt{3}$$

$$y = \sqrt{3}x + b \rightarrow 4\sqrt{3} - 2$$

$$y = \sqrt{3}x + 4\sqrt{3} - 2$$

$$\sqrt{(\Delta x)^2 + (\Delta y)^2} = \sqrt{25} = 5$$

٢- الف =

$$\frac{|ax + by + c|}{\sqrt{a^2 + b^2}}$$

$$\frac{|1x + 4y - 10|}{\sqrt{1^2 + 4^2}}$$

$$= \frac{15}{5} = 3$$

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$$4x + 3y - 1 = 0$$

$$12x + 9y - 3 = 0 = 4x + 3y - 1 = 0$$

$$\frac{|-12 - 1|}{\sqrt{12^2 + 1^2}} = \frac{-13}{\sqrt{145}}$$

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