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عرفان حقیقی یازدهم سر

$$m = \frac{r+r}{r-\omega} = \frac{r}{-1} = -r$$

۱- الف

(۲)

$$y+r = -r(n-\omega) \Rightarrow y = -rn + 1 \checkmark$$

$$yn+1 = -ry \Rightarrow -rn - \frac{1}{r} = y \quad m = -r = m'$$

$$y-r = -r(n-r) \Rightarrow y = -rn + 1r \checkmark$$

(۳)

$$n-1 = -ry \Rightarrow \frac{-n}{r} + \frac{1}{r} = y \quad m = -\frac{1}{r}$$

$$m' = r$$

$$y-r = r(n-r) \Rightarrow y = rn - 1 \checkmark$$

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$$m = \tan \frac{\pi}{\sqrt{r}} = \sqrt{r}$$

$$y-r = \sqrt{r}(n-r) \Rightarrow y = \sqrt{r}n - r\sqrt{r} + r \checkmark$$



$$\sqrt{(r+1)^2 + (r-v)^2} = \sqrt{r\omega} = \omega \quad \checkmark \quad \text{الف)}$$

$$\frac{|4 + 1r - v|}{\sqrt{9 + 1r}} = \frac{1\omega}{\omega} = r \quad \checkmark \quad \text{بـ}$$

$$\begin{cases} r_m + r_y = 4 \\ r_m + 4y = 11 \end{cases} \Rightarrow \begin{cases} r_m + 4y = 11 \\ r_m + 4y = 11 \end{cases} \quad \text{الف) (م)}$$

$$\checkmark r_m + 4y = \frac{11+11}{2} = 11$$

$$\omega = \frac{11-11}{\sqrt{16+16}} = \frac{r}{\sqrt{2r}} \quad \checkmark \quad \text{بـ}$$

$$\frac{|r_m - r_y - 1|}{\sqrt{9+r}} = \frac{|r_m + r_y - r|}{\sqrt{r+9}} \quad \text{الف) (م)}$$

$$\Rightarrow |r_m - r_y - 1| = |r_m + r_y - r|$$

$$\begin{cases} r_m - r_y - 1 = r_m + r_y - r \Rightarrow r - \omega y = -r \quad \checkmark \\ r_m - r_y - 1 = -r_m - r_y + r \Rightarrow \omega r + y = r \quad \checkmark \end{cases}$$



$$m = -\omega \quad m' = \omega \quad \tan \alpha = \left| \frac{-\omega - \omega}{1 + (-\omega)(\omega)} \right| \quad (1) \quad (2)$$

$$\tan \alpha = 1 \quad \alpha = 45^\circ \quad \checkmark$$

$$\sqrt{(\omega + \omega)^2 + (-\omega - \omega)^2} = \sqrt{16} = 4 \quad (3) \quad (4) \quad (5)$$

$$\left| \begin{array}{cc|c} \frac{\omega - \omega}{\omega} = -1 & -1 & \\ -\frac{\omega + \omega}{\omega} = -2 & 1 & \end{array} \right| \quad \checkmark \quad (6)$$

$$\left| \begin{array}{cc|c} \frac{\omega - \omega - 1}{\omega} = -\frac{1}{\omega} & -\frac{1}{\omega} & \\ -\frac{1 + \omega + \omega}{\omega} = -\frac{1 + 2\omega}{\omega} & -\frac{1 + 2\omega}{\omega} & \end{array} \right| \quad \checkmark \quad (7) \quad (8) \quad (9)$$

$$\left| \begin{array}{ccc|c} \omega & 1 & 1 & \\ -\omega & \omega & 1 & \\ -1 & -1 & 1 & \end{array} \right| \Rightarrow 9 - 1 + 2\omega + \omega + \omega + \omega = 9 + 4\omega = 13 \quad (10) \quad (11) \quad (12)$$

$$\frac{1}{\omega} \times \omega = 1 \quad (13) \quad (14)$$

$$-y = \frac{r_n + 1}{r_n - r} \quad \checkmark$$

(الف) (۱) (۷۵)

(۱)

$$y = \frac{-r_n + 1}{-r_n - r} \quad \checkmark$$

$$n = \frac{ry + 1}{ry - r} \Rightarrow y = \frac{-r_n - 1}{-r_n + r} \quad \checkmark$$

(۲)

جای طول و عرض عوض و قدره فیش

$$-n = \frac{-ry + 1}{-ry - r} \Rightarrow y = \frac{-r_n + 1}{r_n + r}$$

$$\left\{ \begin{array}{l} n' = n - r \\ y' = y + r \end{array} \right. \Rightarrow \left\{ \begin{array}{l} n = n' + r \\ y = y' - r \end{array} \right. \quad (۲) \quad (۹)$$

$$y' - r = \frac{r(n' + r) + 1}{n' + r - r} \Rightarrow y' = \frac{rn' + 1}{n' - 1} + r$$

$$y' = \frac{rn' + 1}{n' - 1} \quad \checkmark$$



$$\left\{ \begin{array}{l} n' = n - r \\ y' = y - r \end{array} \right. \Rightarrow \left\{ \begin{array}{l} n = n' + r \\ y = y' + r \end{array} \right. \quad (1)$$

$$y' + r = \frac{r(n' + r) + 1}{n' + r - r} \Rightarrow y' = \frac{rn' + r}{n'} - r$$

$$y' = \frac{r}{n'} \quad \checkmark$$

$$\left\{ \begin{array}{l} rn + ry = r \\ n - 19y = 1 \end{array} \right. \Rightarrow \left\{ \begin{array}{l} rn + ry = r \\ rn - 19y = r \end{array} \right. \quad (2)$$

$$19y = -1 \Rightarrow y = \frac{-1}{19} \quad \checkmark$$

$$n = \frac{1r}{19} \quad \checkmark$$

$$n = - \frac{r + 1}{-19 - r} \Rightarrow - \frac{1r}{-19} \Rightarrow \frac{1r}{19} \quad \checkmark$$

$$y = \frac{r - r}{-19} \Rightarrow \frac{1}{-19} \quad \checkmark$$