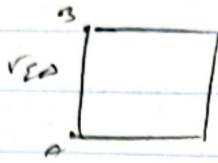


Series 120

$$a = \frac{m-16}{4} \quad -\frac{1}{c} = \frac{m-16}{4} \Rightarrow m-16 = -c$$

(1)



$$L = \sqrt{c^2 + (m-16)^2} = \sqrt{2a^2} = a$$

$$S = a^2 = 2a^2$$



$$-1 - 2 + 0 = 0 \Rightarrow c = 1$$

(4)

$$c = 1 \Rightarrow y + 2 = m + 1 \Rightarrow m = y + 1$$

$$m - 1 = y - 2 \Rightarrow m + 1 = y$$

$$y = -90 + 1 + 2 = -87$$

$$\tan \alpha = \sqrt{2} = a$$

$$\frac{-ym}{m^2-1} = \sqrt{2} \Rightarrow \sqrt{2}m^2 + ym - \sqrt{2} = 0$$

(5)

$$|m - m'| = \frac{\sqrt{2}}{c} + \sqrt{2} = \frac{2\sqrt{2}}{c}$$

$$\begin{matrix} (m+c)/\sqrt{2} & (m-1)/\sqrt{2} \\ \uparrow & \downarrow \\ m = \sqrt{2}/c & m' = -\sqrt{2} \end{matrix}$$

$$A_h \left[\frac{1}{\omega} \right] \quad B_c \left[\frac{1}{\omega} \right] = a = \frac{1}{\omega} = c$$

$$y = c\omega - c$$

(6)

$$y = c\omega - c = 0$$

$$L = \frac{|10|}{\sqrt{2}} = 7\sqrt{2}$$

$$B_{\omega} \left[\frac{1}{\omega} \right] \Rightarrow$$

$$2y - 4x = -19$$

$$(y + 2x = 1) \Rightarrow -2y - 8x = -18$$

$$\left\{ \begin{matrix} 2y - 4x = -19 \\ -2y - 8x = -18 \end{matrix} \right. \Rightarrow -12x = -1 \Rightarrow x = \frac{1}{12}$$

(7)

$$y + 4 = 1 \Rightarrow y = -3, \quad m = 2 \quad (2, -3)$$

$$A(c, 1) \Rightarrow$$

$$L = \frac{|2a - c - 1|}{2} = \frac{c}{2}$$

جواب

$$\sin \alpha = a$$

$$\tan \alpha = \frac{a}{1-a}$$

$$\tan \alpha = \frac{\frac{r}{2} - a}{a}$$

$$\frac{a}{1-a} = \frac{\frac{r}{2} - a}{a} \rightarrow a^2 = (a - \frac{r}{2})(a - \frac{r}{2})$$

$$a^2 = a^2 - \frac{r}{2}a + \frac{r^2}{4} \rightarrow \frac{r}{2}a = \frac{r^2}{4} \rightarrow a = \frac{r}{2}$$

$$r = a + a = \frac{r}{2} + \frac{r}{2}$$

$$a + m = a - 1$$

$$a - m = 1$$

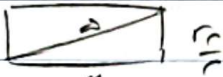
$$\left\{ \begin{array}{l} a = \frac{1}{1-a} \neq \frac{a-1}{1} \end{array} \right.$$

$$a^2 = 1 \rightarrow a = \pm 1$$

$$a = 1 \rightarrow a - m = 0$$

$$a - m = 1$$

$$a = 1 \rightarrow \frac{1}{1-a} = \frac{1}{0}$$

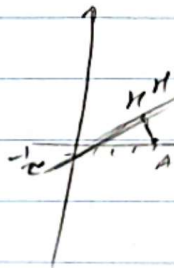


$$a = \frac{1}{1-a} = m \rightarrow \frac{a}{1-a} = m \Rightarrow \frac{a}{1-a} = m \Rightarrow \frac{a}{1-a} = m \Rightarrow \frac{a}{1-a} = m$$

$$a = 1 \rightarrow a - m = 0$$

$$a + m = 1$$

$$a = 1 \rightarrow a - m = 0 \rightarrow a = m$$



$$a - m = 1$$

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

$$a - m = 1 \rightarrow a = \frac{1}{1-a} = \frac{1}{1-a}$$

$$y = \frac{1}{2}x - \frac{r}{2} \quad y = -mx + 1$$

$$H = (\frac{1}{2}, \frac{r}{2})$$

$$y = m - r \rightarrow ay = m - r$$

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

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$$ay = +y \rightarrow y = \frac{r}{2} \rightarrow \frac{1}{2}$$

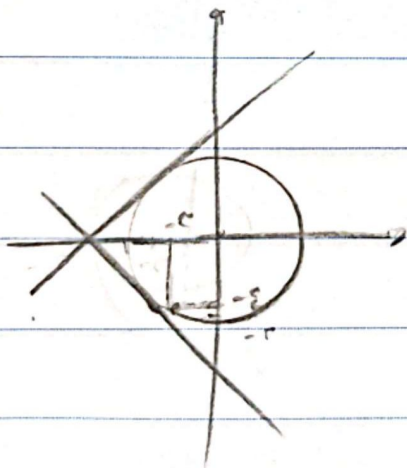
Orijinal ~~görsel~~

$$a = \frac{b-a}{\frac{1}{2} + \frac{1}{2}} = -\frac{1}{2} (b-a) \leq r \rightarrow b-a \leq -2r$$

(9)

$$L = a = \sqrt{\left(-\frac{1}{2} + \frac{1}{2}\right)^2 + (b-a)^2} = \sqrt{\frac{1}{4} + 0.4 \times 0}$$

C.2



(10)