

مردی کاظمی لڑوہ پسر بڑا
یک صفحہ ارسال شد

Date _____ Subject _____

$$\overline{AB} \rightarrow m = \frac{-1r}{r} = -v \rightarrow m' = \left(+\frac{1}{v}\right)$$

(2)

$$(y-1) = \frac{1}{v}(x-r) \quad y = \frac{x}{v} - \frac{r}{v} + 1 \rightarrow y = \frac{x}{v} + \frac{r}{v}$$

$$BC = \sqrt{16+9} = \sqrt{25} = 5 \quad y-r = -\frac{r}{v}x + \frac{v}{v}$$

(2)

$$H \text{ نقطہ} \rightarrow \begin{cases} y = -\frac{r}{v}x + \frac{v}{v} \\ y = \frac{r}{v}x - \frac{v}{v} \end{cases} \rightarrow -\frac{r}{v}x + \frac{v}{v} = \frac{r}{v}x - \frac{v}{v}$$

$$ran = rv \rightarrow r = v$$

$$\overline{AH} \rightarrow \sqrt{\frac{4r^2}{v^2} + \frac{r^2}{v^2}} = \sqrt{\frac{100}{v^2}} = 10 \quad y = -\frac{1}{v}$$

$$\overline{BC} - \overline{AH} \rightarrow v - r = 5 \quad \frac{1}{v} = \frac{1}{r}$$

$$ry = x + v \quad ry = vx + r \quad S = \pi r^2 = \pi \left(\frac{m+r}{100}\right) = 10\pi - 3$$

$$y = \frac{x}{r} + \frac{v}{r} \quad y = \frac{v}{r}x + \frac{r}{r}$$

$$\left(\frac{v}{r} = \frac{1}{r} \rightarrow v = r\right)$$

$$d = \frac{r}{\sqrt{\frac{v}{r}}} = \frac{r}{\frac{v}{r}} = \frac{r^2}{v} = \frac{9}{v} = 2r$$

$$r = \frac{9\sqrt{v}}{10}$$

$$m/r \quad mAB = \frac{r}{-r} = -1 \Rightarrow m_{CH} = -1$$

(2)

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

$$\begin{cases} y = x - r \\ y = -x + 2r \end{cases} \Rightarrow \begin{cases} x - r = x + v \\ rx = v \end{cases} \rightarrow m = \frac{v}{r} \quad y = \frac{x}{r}$$

$$d_{mh} = \sqrt{\frac{1}{r^2} + \frac{1}{r^2}} = \sqrt{\frac{2}{r^2}} = \frac{1}{r} \quad y + r = 1(x + 1) \quad y = x - r$$

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