

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

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

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

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

$$ran = rv \rightarrow n = \frac{v}{v}$$

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

$$\overline{BC} - \overline{AH} \rightarrow v - 10 = 5 \quad \text{--- 12}$$

$$ry = n + v \quad ry = an + r \quad S = \pi r^2 = \pi \left(\frac{m+r}{100}\right) = 11\pi - \pi$$

$$y = \frac{n}{r} + \frac{v}{r} \quad y = \frac{a}{r}n + \frac{1}{r}$$

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

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

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

$$y = \frac{n}{r} + \frac{v}{r} \quad y = \frac{n}{r} + \frac{1}{r}$$

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

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

$$\begin{cases} y = n-r \\ y = -n+v \end{cases} \Rightarrow \begin{cases} n-r = n+v \\ rn = v \end{cases} \rightarrow m = \frac{v}{r} \quad \left(y = \frac{r}{v}\right)$$

$$d_{mh} = \sqrt{\frac{1}{r^2} + \frac{1}{r^2}} = \sqrt{\frac{2}{r^2}} = \frac{1}{r} \quad \begin{matrix} y+r = 1(n+1) \\ y = n-r \end{matrix}$$

$$\left(\frac{\sqrt{r}}{r}\right)$$