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$$C(-1, 3) \xrightarrow{H} (1, -1)$$

$$\sqrt{\frac{1^2}{1^2} + \frac{(-1)^2}{1^2}} = \frac{1}{\sqrt{2}}$$

$$\sqrt{\frac{(-1)^2}{9} + \frac{(3)^2}{16}} = \frac{5}{4}$$

$$S = \frac{9\pi}{8}$$

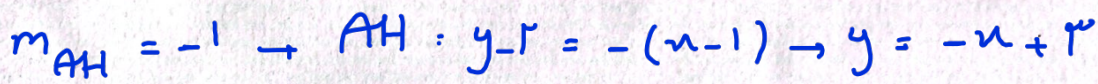
$$\begin{aligned} \sqrt{(\frac{1}{\sqrt{2}})^2 + (\frac{1}{\sqrt{2}})^2} &= \sqrt{\frac{1}{2} + \frac{1}{2}} = \sqrt{1} = 1 \\ \frac{1}{\sqrt{2}} - \frac{1}{\sqrt{2}} &= 0 \end{aligned}$$

$\Delta = -10m + 10 + 2m^2 - 10m + 10 = 2m^2 - 20m + 20$
 $\Delta < 0 \rightarrow (m-10)(m-1) > 0$

$$\begin{aligned} & \sqrt{1 + \frac{1}{4}} = \sqrt{\frac{5}{4}} = \frac{\sqrt{5}}{2} \\ & \Rightarrow \frac{1}{2} \sqrt{5} \\ & \Rightarrow \frac{1}{2} \sqrt{5} \end{aligned}$$

$\alpha = 2x - 2 \xrightarrow{\text{نقد المماسه}} (2, 1) \rightarrow \left(\frac{2+\alpha}{2} = 2, \frac{1+\alpha}{2} = -2 \right) \rightarrow m'(2, -2) \rightarrow y = 2x + b$
 $-2 = 4 + b \rightarrow b = -6$
 $y = 2x - 6$

قرینه A یعنی محدود به خط نه صفر
نقطه ای!



$$\frac{1+a}{r} = -1 \rightarrow a = -r$$

$$\frac{r+b}{r} = f \rightarrow b = 4$$

$C(\frac{5}{3}, \frac{7}{3})$ - برخورد AC و BC

$$\left\{ \begin{array}{l} \rightarrow \underline{m} = \left(\frac{1}{r}, \frac{r}{r} \right) \\ B, C \end{array} \right\} \quad AM = \frac{\sqrt{\Delta_0}}{r}$$

$$BC: A_{\text{new}} = A_H = \frac{(1+1-1)}{\sqrt{2}} = \sqrt{2}$$

$$\frac{A_M}{A_H} = \frac{\sigma}{\tau/2}$$