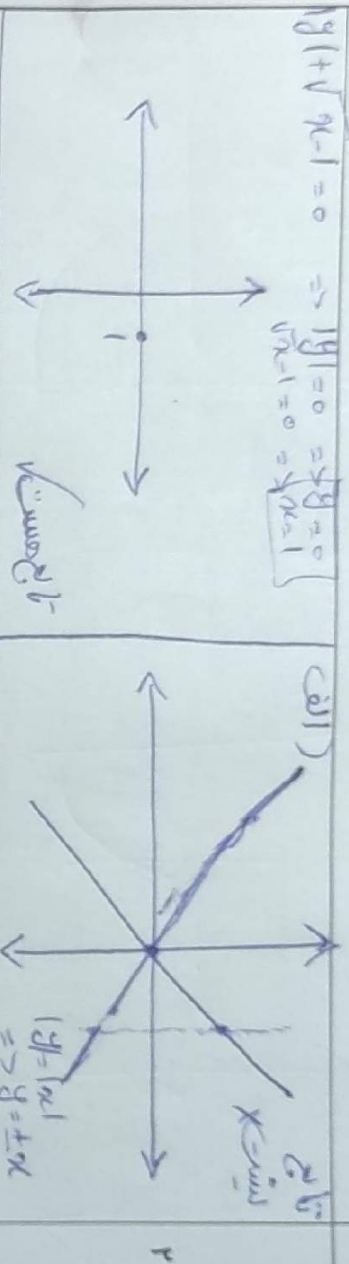


$$\begin{aligned} a^1 + r^2 a &= 0 \\ a^2 - r^2 a + r^2 &= 0 \Rightarrow (a-1)(a-r^2) = 0 \Rightarrow a=1 \\ &\quad \text{یا } a=r^2 \end{aligned}$$



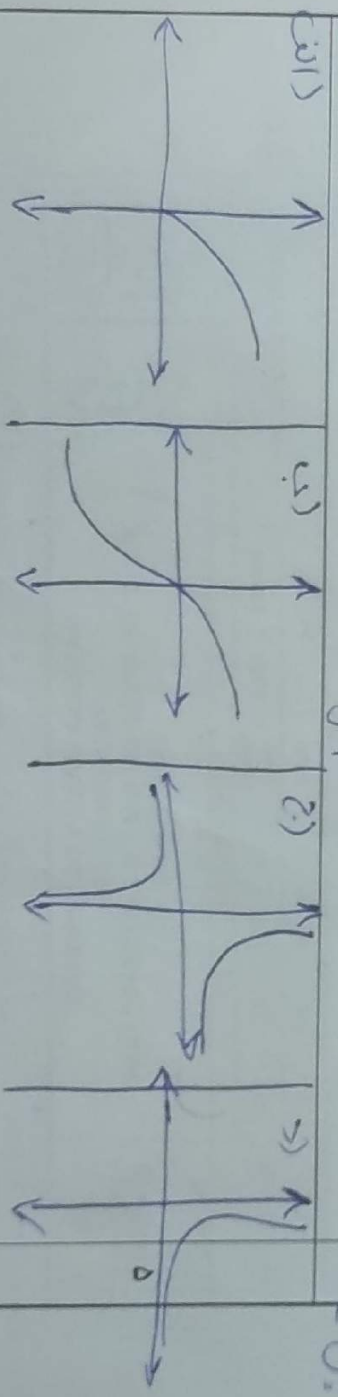
۱) $|y-1| = \sqrt{a-1} \xrightarrow{a=1} |y-1| = 0 \Rightarrow y=1$
 $\sqrt{a-1} = 0 \Rightarrow a=1$

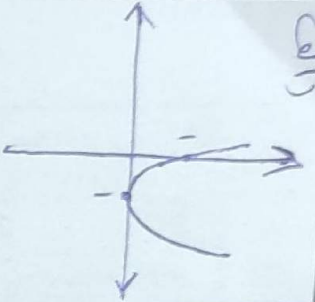
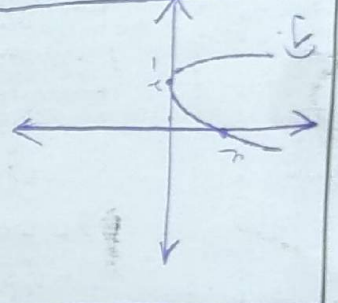
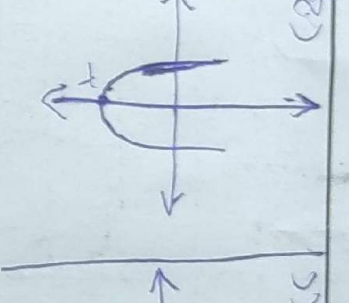
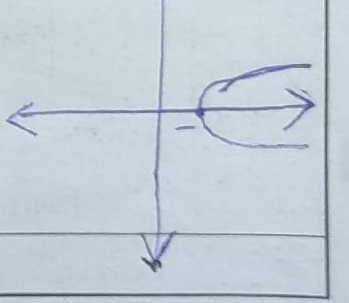
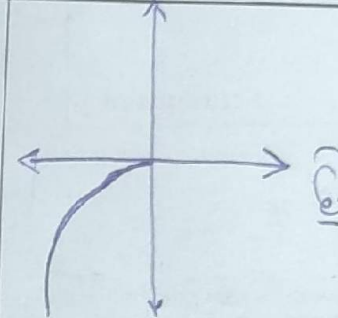
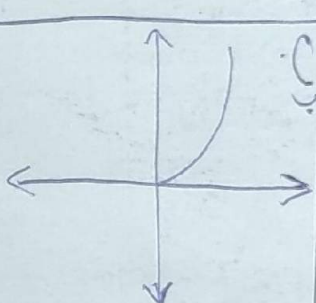
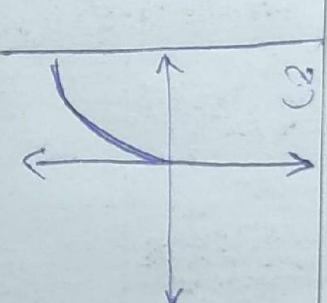
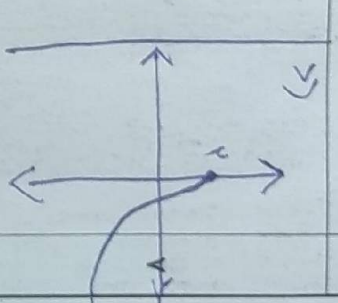
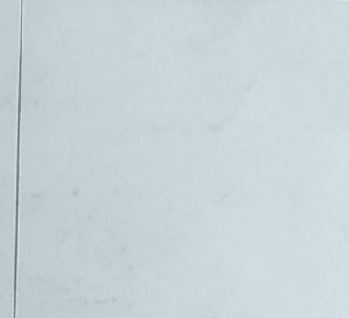
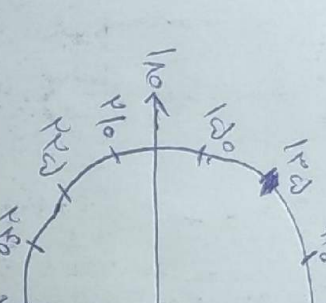
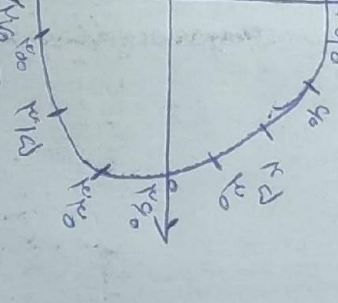
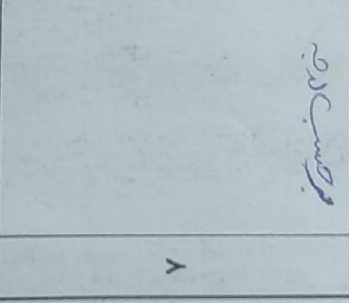
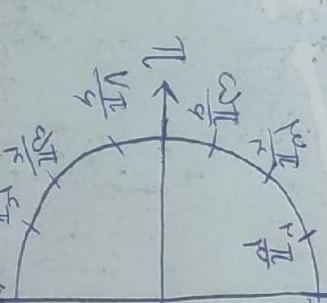
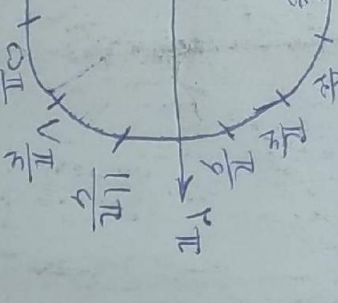
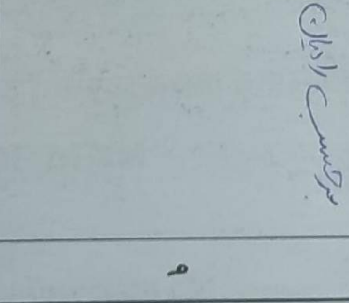
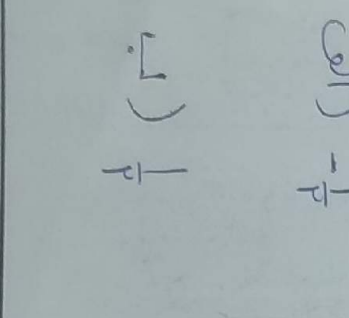
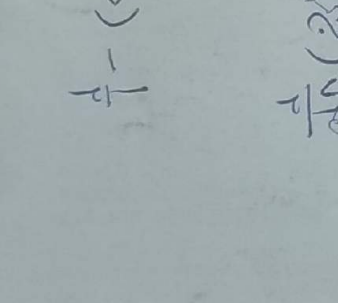
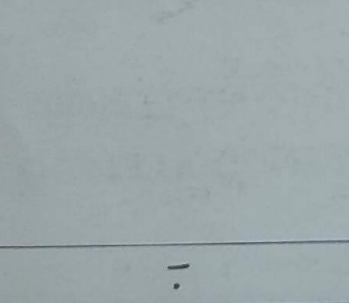
۲) $y^2 - y = \frac{a^1}{r} \xrightarrow{a=0} y^2 - y = 0 \Rightarrow y(y-1) = 0 \Rightarrow y=1$
 $\sqrt{a-1} = 0 \Rightarrow a=1$

۳) $\sin^2 a + \cos^2 y = 1 \xrightarrow{a=\frac{\pi}{2}} 1 + \cos^2 y = 1 \Rightarrow \cos^2 y = 0 \Rightarrow y = \frac{\pi}{2}$
 $\sqrt{a-1} = 0 \Rightarrow a=1$

۴) $a^2 + 1 - y - 1 = r^2 a \xrightarrow{a=1} 1 + 1 - y - 1 = r^2 \Rightarrow y = 1$
 $\sqrt{a-1} = 0 \Rightarrow a=1$

۵) $y^2 + r^2 a = 0 \Rightarrow (a, y) \in f \Rightarrow a_1 = ar$
 $\sqrt{a-1} = 0 \Rightarrow a=1$



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