

الف) $\vartheta = \sqrt{r_1^2 + r_{n-1}^2} \rightarrow \begin{cases} r_1^2 = r_n^2 \dots \rightarrow \sqrt{r_1^2 + r_{n-1}^2} = \sqrt{r_n^2 + r_{n-1}^2} \\ \rightarrow \vartheta_1 = \vartheta_r \end{cases}$

ب) $n = \frac{\pi}{r} \rightarrow \frac{\pi}{r} \cos \vartheta = 0$

$\rightarrow \vartheta = k\pi + \frac{\pi}{r}$

۲) $x^r + rxy + y^r = fxy$

$\rightarrow x^r - rxy + y^r = 0$

$x = y$

~~$x^r + rxy + y^r = fxy$~~

~~$\vartheta = \frac{x^r + y^r}{x^r + y^r}$~~

~~$x = y$~~

~~$x = \frac{y^r}{y^r + 1}$~~

~~$x = y$~~

~~$x = y$~~

~~$x = y$~~

~~$x = y$~~

~~$x = y$~~

~~$x = y$~~

الف) ~~$x = 1$~~

~~$y = 1$~~

~~$x = y$~~

~~$x = y$~~

~~$x = y$~~

$\vartheta > 0 \rightarrow x^r = \vartheta$

$0 < \vartheta \rightarrow x^r = \vartheta$

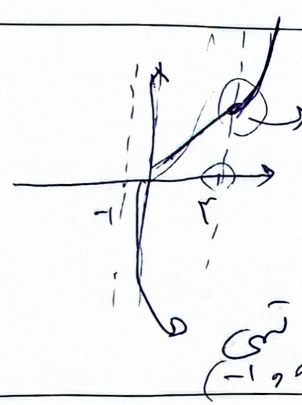
ب) $n = 0 \rightarrow \vartheta \in [1, r)$

$x = y$

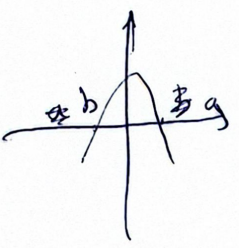
$x = y$

$x = y$

$x = y$



$1 - b = a + r \rightarrow a + b = 1$



$x - b = a^r = 0 \rightarrow 1 - b - a = 0$

$a - b^r = 0 \rightarrow a - r b^r = 0$

$b = -1$

$a = r$

$a + b = 1$

$-r b^r - b + 1 = 0$

$\frac{1}{r} \leftarrow -1$

$\sqrt{bx + c}$

$x = r$

$rb + c = 0 \rightarrow b < 0$

$\frac{-rb + \sqrt{b^2 + 4c}}{2} = b$

