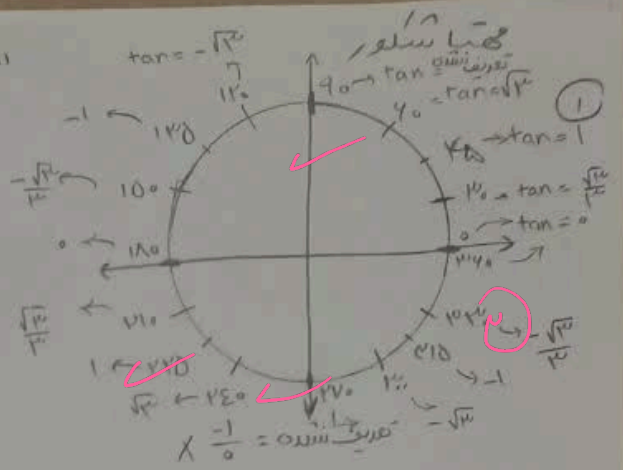


أقرن ضرب نويسم (ختر)

نصف دائرة 1



الف) $\frac{1}{r} + (-1) + 2x - 1 = \frac{1}{r} - r$

ب) $\frac{\sqrt{r}}{r} + \frac{\sqrt{r}}{r} - \sqrt{r} - \frac{\sqrt{r}}{r} = \frac{\omega\sqrt{r}}{r}$

ج) $-\frac{\sqrt{r}}{r} + r\sqrt{\frac{r}{r}} - r\sqrt{\frac{r}{r}} - \frac{\sqrt{r}}{r} = \frac{r\sqrt{r}}{r}$

د) $\cos(0) + \sin(\frac{\pi}{2}) = 1 + 1 = 2$

هـ) $m=a \Rightarrow a^2+ra = ra+a+r$

و) $a^2+ra = ra+r \Rightarrow a^2+a-r=0$

ز) $f(1) \Rightarrow 1+r=a$

ح) $f(m) = \begin{cases} rm^2-b & |m|+1 \geq 2 \\ a+rm & -r \leq m \leq -1 \end{cases}$

الف) $x^m - r m^r \neq 0 \Rightarrow m^r(m-r) \neq 0 \Rightarrow m \neq 0, r \Rightarrow D_f = \mathbb{R} - \{0, r\}$

ب) $\frac{1}{rm^r + rm^r + pm + r} \Rightarrow \frac{1}{rm(m^r+1) + r(m^r+1)} \Rightarrow \frac{1}{(m^r+1)(rm+r)} \Rightarrow \frac{1}{(m^r+1)(r(m+1))}$

الف) $ym-a=0 \Rightarrow m=\frac{a}{r} \Rightarrow \frac{b}{a} = \frac{9}{12} = \frac{3}{4}$

ب) $* 4-rm \geq 0 \Rightarrow r \geq m$
 $* 4-rm \geq 0 \Rightarrow m \geq \frac{4}{r}$
 $D_f = (\frac{4}{r}, r]$

الف) $\frac{(m-r)(m+r)}{(m^2-r)(m^2+r)} \geq 0$
 $D_f = (-\infty, -r) \cup (r, \infty) \cup (0, r)$

ب) $\frac{-\frac{r}{m} - rm^r - \omega m + 4}{-\frac{r}{m} + rm^r} \geq 0$
 $D_f = (-\infty, -r) \cup [-r, -1] \cup [1, r) \cup [r, \infty)$

ب) $\frac{rm^r + rm^r - \omega m - 4}{-rm^r - rm^r} \geq 0$
 $D_f = (-\infty, -r) \cup [-r, -1] \cup [1, r) \cup [r, \infty)$

الف) $r[n] - r \geq 0 \rightarrow [n] \geq r \leadsto D_f = [r, +\infty)$

ب) $r[n] - r \geq 0 \leadsto [n] \geq r \leadsto [r, +\infty) = D_f$

(9)

الف) $\frac{-1 + \sqrt{1 + 4}}{2} \geq 0 \leadsto \frac{-1}{2} + \frac{1}{2} \leadsto [-1, +\infty) - \frac{1}{2}$

$\frac{4 - (n-1)}{n^2 + n + 1} \geq 0 \leadsto \frac{4}{n^2 + n + 1} \leadsto (-\infty, 4]$

$\Delta = 4 - 4 \times 1 \times 1 = -12 < 0 \Rightarrow \hat{=}$

$\Rightarrow [-1, 4] - \frac{1}{2} = D_f$ (10)

ب) $[n] \geq r \leadsto D_f = [r, +\infty)$

$r \geq [n] \leadsto D_f = (-\infty, r)$

$\rightarrow \emptyset = D_f$