

برقراری روش	پایگاه تشریحی تعلیم شماره ۵	ملاس یازدهم دختر A پایه ۱۹-۲۱
۱	$a - 2 = 0 \Rightarrow a = 2$ $n = 3 \rightarrow 3a + b = 0$ $3a = -b \xrightarrow{a=2} -b = 6$ $b = -6$	
۲	$x^2 + 2x + 2 - m^2 \geq 0 \Rightarrow \Delta \leq 0$ $f - f(2 - m^2) \leq f m^2 - 4$ $\begin{array}{c ccc} m & -1 & 1 \\ \hline & + & - & + \end{array} \quad m \in [-1, 1] \Rightarrow 1 - (-1) = 2$	
۳	مخرج همواره $\neq 0$ $f - m^2 \geq 0 \rightarrow f \geq m^2 \rightarrow 2 \geq m \geq -2$ $-2 \leq m \leq 2 \Rightarrow$ عدد صحیح $\Rightarrow$	
۴	$m^3 + 3m^2 \geq 0 \rightarrow m^2(m + 3) \geq 0 \rightarrow m \geq -3 \Rightarrow D = [-3, \infty)$ $m \neq 1$ $\frac{(m^2 - 1)(m^3 - 3m^2)}{m^3 - 1} \geq 0 \Rightarrow \begin{array}{c ccccc} m & -1 & 0 & 1 & 3 \\ \hline & + & - & - & + \end{array} \quad D = (-\infty, -1] \cup [3, \infty)$	
۵	$\left. \begin{array}{l} m - 2 \geq 3 \rightarrow m \geq 5 \\ m - 2 \leq 3 \rightarrow m \leq -1 \end{array} \right\} \Rightarrow D = (-\infty, -1] \cup [5, \infty)$ $f \geq 2 - m \rightarrow f \geq 2 - m \geq -f \rightarrow -2 \leq m \leq 6$ $D = [-2, 6]$	

$الف) 1 - n n \geq 0 \rightarrow 1 \geq n n \quad D = (-\infty, 1]$ $ب) r - n - a \geq 0 \rightarrow r \geq n - a \geq -r \rightarrow -r \leq n \leq r \quad ①$ $r - n - a \neq 1 \rightarrow r \neq n - a \Rightarrow n \neq r \cup ①$ $D = \{n \mid r = [r, \infty) - \{r\} \cup (-\infty, -r]\}$	7
$الف) \cos \neq 0 \Rightarrow D = \mathbb{R} - \left\{k\pi + \frac{\pi}{r}\right\}$ $ب) r \cos - 1 \neq 0 \rightarrow \cos \neq \frac{1}{r}$ $D = \mathbb{R} - \left\{rk\pi \pm \frac{\pi}{r}\right\}$	✓
$\left. \begin{array}{l} rn+1 \neq n+r \quad rn+1 \neq n+r \rightarrow n \neq r \\ rn+1 \neq -n-r \rightarrow n \neq -\frac{r}{r} \end{array} \right\} \Rightarrow D = \mathbb{R} - \left\{\frac{-f}{r}, r\right\}$ $(الف)$ $(rn+1) \geq n+r \xrightarrow{r \geq 0} rn^2 + rn+1 \geq n^2 + 2n+r \rightarrow rn^2 - rn - r \geq 0$ $\frac{n - \frac{f}{r}}{+ \quad - \quad +} \quad D = (-\infty, -\frac{f}{r}] \cup [r, \infty)$	(ب) 1
$rn > 1 \rightarrow \underline{n > \frac{1}{r}}$ $\log_a^{rn-1} > 0 \quad rn-1 > 1 \quad \underline{n > 1}$ $rn-1 \geq 0 \rightarrow \underline{n \geq \frac{1}{r}}$ $D = [r, \infty)$	9
$r \cos n+1 > 0 \rightarrow \cos > -\frac{1}{r} \quad D = \left(rk\pi - \frac{\pi}{r}, rk\pi + \frac{\pi}{r}\right)$ $\frac{n-1}{n+1} > 0 \quad \frac{n-1}{+ \quad - \quad +} \quad (-\infty, -1) \cup (1, \infty) \quad ①$ $\log \frac{n-1}{n+1} \geq 0 \rightarrow \frac{n-1}{n+1} \geq 1 \rightarrow \frac{-r}{n+1} \geq 0 \Rightarrow n \leq -1 \quad ② \quad \frac{\ln r}{r} \Rightarrow D \neq (-\infty, -1)$	(ب) 1.