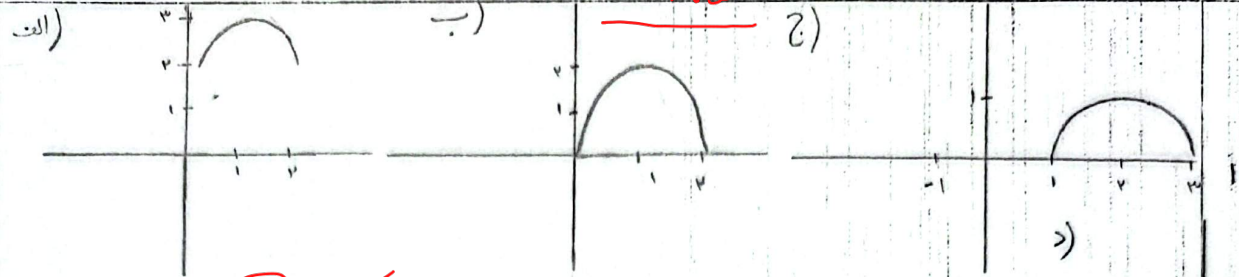
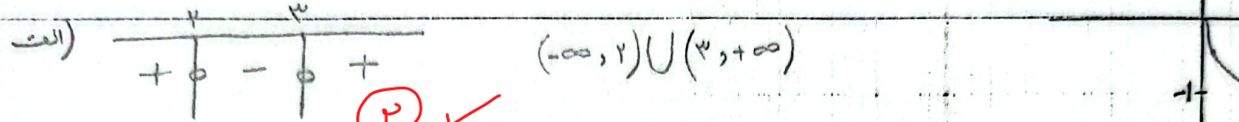


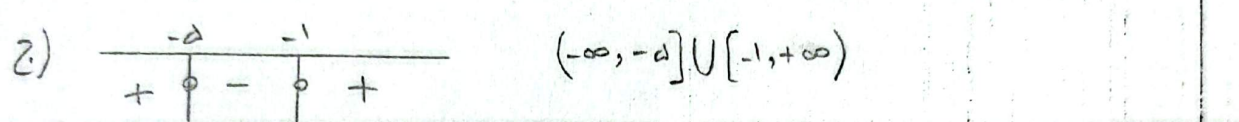
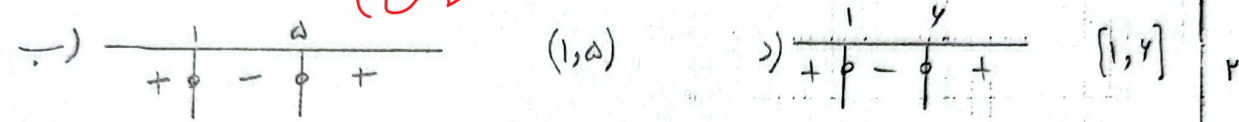
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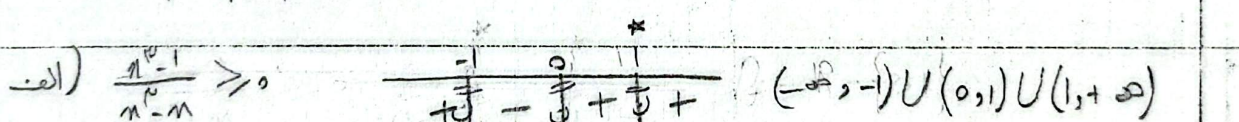
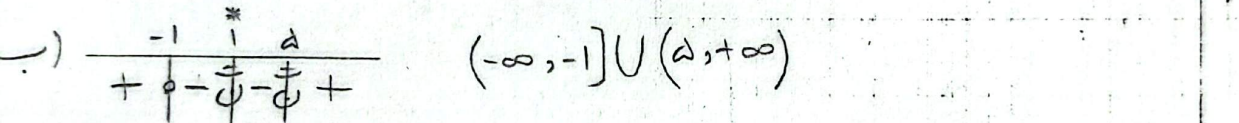
(۲) ✓



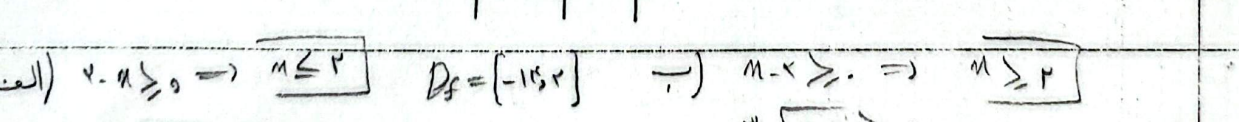
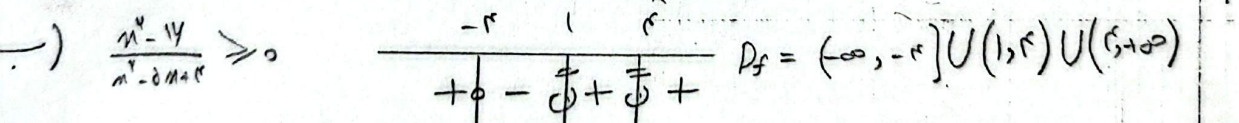
(۲) ✓



(۲) ✓



(۲) ✓



(۲) ✓

الف) $2 \leq m^2 \leq 4$ $m^2 \leq 4$ $m^2 \geq 2$ $-\sqrt{2} \leq m \leq \sqrt{2}$ ب) $3 m-9 \geq 0$ $3 m \geq 9$ $m \geq 3$ $m \geq 3$ $m \leq -3$ $D_f = [-\sqrt{2}, \sqrt{2}]$ $D_f = (-\infty, -3] \cup [3, +\infty)$ ۲ ✓	۶
الف) صورت کسری است پس باید از مخرج جدا شود. $m - 3 \neq 0$ $m \neq 3$ $m \neq 3$ $m \neq -3$ ب) صورت کسری است پس باید از مخرج جدا شود. $\sqrt{m} - 3 \neq 0$ $\sqrt{m} \neq 3$ $m \neq 9$ $m > 0$ $D_f = (-\infty, -3) \cup (3, +\infty)$ $D_f = R - \{ \pm 3 \}$ ۷	۷
الف) $2 \cos m - 1 \neq 0$ $2 \cos m \neq 1$ $\cos m \neq \frac{1}{2}$ ب) $2 \sin m + 1 \neq 0$ $2 \sin m \neq -1$ $\sin m \neq -\frac{1}{2}$ $D_f = R - \{ k\pi + \frac{\pi}{3}, k\pi + \frac{2\pi}{3} \}$ $D_f = R - \{ 2k\pi + \frac{7\pi}{6}, 2k\pi + \frac{11\pi}{6} \}$ ۸	۸
$2 m-2 - \frac{1}{4} > 0$ $2 m-2 > \frac{1}{4}$ $m-2 > \frac{1}{8}$ $m-2 > \frac{1}{8} \Rightarrow m > \frac{17}{8}$ $m-2 < -\frac{1}{8} \Rightarrow m < \frac{15}{8}$ $D_f = (-\infty, \frac{15}{8}) \cup (\frac{17}{8}, +\infty)$ ۹	۹
الف) $2 m \geq 0$ $2 m \leq 4$ $m \leq 2$ $-2 \leq m \leq 2$ ب) $\frac{ m }{ m } \geq 0$ $m \neq 0 \Rightarrow m \neq 0$ $D_f = [-2, 2]$ $D_f = R - \{0\}$ ۱۰	۱۰