

2) $x+y \rightarrow x+y \xrightarrow{x+y} x+y \xrightarrow{x+y} x+y \dots$ ✓ صحیح

$\Rightarrow xy^2 + y^2 - y^2 - xy \Rightarrow \rightarrow 0^2(m-y) + 2(n-y) \Rightarrow (n-y)(\frac{y^2+2}{y}) \Rightarrow n=y$ ✓ $\leftarrow$ مع است ✓ $\leftarrow$ مع است

$x^2 - bx + a \geq 0$  $\rightarrow -(x-b)(x-a) \leq 0 \rightarrow (x-a-b)(x-a-b) \quad (2) \quad (3)$

$ax^2+bx+c > 0 \quad \underline{D = (-\infty, 1)} \rightarrow$

کامیابی

$$f(x) = \sqrt{x} + \sqrt{y} \cdot 9 \rightarrow \sqrt{y} \cdot 9 - \sqrt{x} \rightarrow \begin{cases} m \geq 0 \\ \sqrt{y} \geq 0 \rightarrow 9 - \sqrt{x} \geq 0 \rightarrow \sqrt{x} \leq 9 \rightarrow x \leq 81 \end{cases} \quad [-1, 81]$$

$\sqrt{|x|} = t$
 $-t^r + t + r = 0$
 $-(t-r)(t+r) = 0$
 $\frac{-r}{-1+1} \rightarrow -r < \sqrt{|x|} < r \rightarrow \sqrt{|x|} < r \rightarrow |x| < r^2 \rightarrow -r^2 < x < r^2 \rightarrow D_f = (-r^2, r^2)$

