

11

نام و نام خانوادگی: ملکی، علیرضا پاسخنامه تشریحی تکلیف شماره ۲ ... کلاس: (A)

$$2m^2 - 2m + y^2 + 4y + k = 0$$

$$2m^2 - 2m + 2 - 2 + y^2 + 4y + 9 - 9 = 0$$

$$2(m-1)^2 + (y+2)^2 - 11 + k = 0$$

$$k = 11$$

$$n = a \rightarrow n^2 + 2m = 2m + a + 2 \rightarrow a^2 + 2a = 2a + a + 2$$

$$a = 1$$

$$a^2 + 2a - 2a - 2 = 0$$

$$f(1) = f(a)$$

$$a > 0 \Rightarrow \frac{f(a) - f(1)}{a - 1} = \frac{c}{a} \quad \left. \begin{array}{l} 1a^2 + 1a - 2 = 0 \\ 1 + 1 - 2 = 0 \end{array} \right\} \text{مجموع ضرایب برابر صفر}$$

$$f(1) = (1)^2 + 2(1) = 3$$

$$|n+1| \geq 2 \quad \left\{ \begin{array}{l} n+1 \geq 2 \rightarrow n \geq +1 \\ n+1 \leq -2 \rightarrow n \leq -3 \end{array} \right.$$

$$n = -3 \rightarrow 2m^2 - b = a + 2m \rightarrow 11 - b = a + (-6)$$

$$a + b = 17$$

$$11 + 6 = a + b$$

$$4m - a \geq 0$$

$$b - 2m \geq 0$$

$$D.f.: \left[\frac{a}{4}, \frac{b}{2} \right]$$

$$4m \geq a$$

$$b \geq 2m$$

$$D.f.: \{2\}$$

$$n \geq \frac{a}{4}$$

$$n \leq \frac{b}{2}$$

$$\frac{a}{4} = \frac{b}{2} = 2$$

$$a = 8, b = 4$$

$$\frac{b}{a} = \frac{1}{2}$$

$$2n+1 \geq 0$$

$$\frac{2}{2n+1} \geq \frac{-1}{-1} \geq \frac{2}{2}$$

$$4 - m \geq 0$$

$$\frac{2}{4-m} \geq \frac{-2}{-2} \geq \frac{2}{2}$$

$$[-1, 2) \cup (2, +\infty)$$

$$[4, +\infty) \quad D.f.: [4, +\infty)$$

$$[n] - \varepsilon \geq 0 \quad [n] \geq \varepsilon$$

$$n \geq \varepsilon$$

$$2 - [n] \geq 0 \quad [n] \leq 2$$

$$n < 3$$

$$P.f.: (-\infty, 2) \cap [\varepsilon, +\infty) \rightarrow D = \emptyset$$

$$D.f.: \mathbb{R} - [2, \varepsilon)$$

$$x \in [-1, 4) - \{2\}$$

