

نام و نام خانوادگی: شماره ۱۳۰۰ کلاس پاسخنامه تشریحی تکلیف شماره ۱۳۰۰

$$n=2 \quad \frac{-b}{2a} = 2 \rightarrow \frac{-1}{2(a-1)} = 2 \rightarrow -1 = 2(a-1) \rightarrow 2a-2 = -1 \rightarrow 2a = 1 \rightarrow a = \frac{1}{2}$$

$$y = \left(\frac{1}{2} - 1\right)x^2 + x + 3 \rightarrow y = -\frac{1}{2}x^2 + x + 3 \quad \text{موقع منصفه} \quad y=0 \quad -\frac{1}{2}x^2 + x + 3 = 0$$

$$\frac{x-2}{x-2}, \quad x^2 - 2x - 12 = 0 \rightarrow (x+2)(x-6) = 0 \rightarrow x = -2 \text{ یا } x = 6 \quad \text{مقدار مثبت} \quad \text{و } n=6 \quad \checkmark$$

$$f(m) = 2m^2 - 5m + 2 > 0 \rightarrow 2m^2 - 5m + 2 > 0 \rightarrow m^2 - \frac{5}{2}m + 1 > 0 \rightarrow m^2 - \frac{5}{2}m + \frac{25}{16} > \frac{25}{16} - 1 \rightarrow m < \frac{5}{4} \text{ یا } m > \frac{7}{4}$$

$m < 0$ و a منفی

دو دایره و دو خط مماس

شکل مسطح

شکل

$$\frac{-d}{2} < m < 0$$

$$S = \frac{3-\sqrt{5}}{3} + \frac{3+\sqrt{5}}{3} = \frac{6}{3} = 2 \quad n^2 - 5n + 6$$

$$P = \left(\frac{3-\sqrt{5}}{3}\right)\left(\frac{3+\sqrt{5}}{3}\right) = \frac{9-5}{9} = \frac{4}{9}$$

$$\rightarrow n^2 - 5n + 6 = 0 \rightarrow n^2 - 5n + \frac{25}{4} = \frac{25}{4} - 6 \rightarrow n = \frac{5}{2} \pm \frac{1}{2}$$

$$4n^2 - 10n + 6 = 0$$

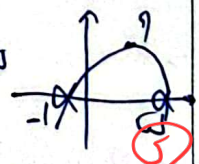
$$2\alpha^2 + \beta^2 = 12 \rightarrow \frac{2\alpha^2 + \alpha^2}{2\alpha^2} + \frac{\beta^2 - \beta^2}{\beta^2} = 12 \rightarrow 2(\alpha^2 + \beta^2) + (\alpha^2 - \beta^2) = 12$$

$$2(s^2 - 2p) + (\alpha + \beta)(\alpha - \beta) = 12 \rightarrow 2(14 - (m+4)) + \frac{5}{2} \sqrt{5} \sqrt{2p} = 12 \rightarrow \sqrt{2p} = m - 1$$

$$0 = 48 - \frac{5}{2}(m+4) = 48 - 11m \rightarrow m = \frac{48-11m}{11} \rightarrow m = 4 \quad \text{و } m = 4 \quad \text{و } m = 4$$

$$y = a(m-h)^2 + k \rightarrow y = a(n-2)^2 + 9 \quad (0, 9) \rightarrow 9 = a(0-2)^2 + 9 \rightarrow a = 1$$

$$y = -(n-2)^2 + 9 \quad \text{موقع منصفه} \rightarrow (n-2)^2 = 9 \rightarrow n-2 = 3 \rightarrow n = 5 \quad \text{و } n-2 = -3 \rightarrow n = -1$$



(-1, 0)

n=1

$$\frac{1}{a} + \frac{1}{b} = \frac{b+a}{ab} = \frac{\frac{v}{w} - v}{\frac{v}{w} \times -v} = \frac{v}{v}$$

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$$P = aB = \frac{9B}{a} \rightarrow a^2 = 9 \rightarrow a = \pm 3$$

$$S = a+B = \frac{v}{a} \rightarrow a^2 + aB - v = 0 \rightarrow a = 3 \rightarrow B = \frac{v}{3} \quad (a = 3 \rightarrow B = \frac{v}{3})$$

$$\rightarrow a = -3 \rightarrow B = -\frac{v}{3}$$

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$$a^2 - mB = 1 \rightarrow a^2 = 1 + mB$$

$$n^2 + mn - km = 0 \rightarrow n^2 = -mn + km \rightarrow a^2 = -ma + km$$

$$\frac{a^2}{a} = \frac{-ma + km}{a} \rightarrow -m = \frac{km - ma}{a} \rightarrow -m = \frac{m(k-a)}{a}$$

$$\frac{-m}{a} = \frac{m(k-a)}{a} \rightarrow -m = m(k-a) \rightarrow -1 = k-a \rightarrow a = k+1$$

$$mB + 1 = -ma + km \rightarrow mB + ma = km - 1 \rightarrow m(a+B) = km - 1$$

$$\frac{-m}{a} = \frac{km - 1}{m} \rightarrow \frac{-m}{a} = \frac{km - 1}{m}$$

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$$m = \frac{1}{2} \rightarrow \frac{a^2}{a} = 1 \rightarrow \frac{km - 1}{m} = 1 \rightarrow km - 1 = m \rightarrow k = \frac{m+1}{m}$$

سبب منقذ

$$ma_n = 1 \rightarrow \frac{a^2}{a} = 1 \rightarrow \frac{km - 1}{m} = 1 \rightarrow km - 1 = m \rightarrow (m-1)(m+1) = 0$$

$$-km^2 + km - 1 = 0 \rightarrow m = 1 \rightarrow k = 2$$

$$m = -1 \rightarrow k = 0$$

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$$y = a(n-h) + k \rightarrow y = a(n-1) + 4 \quad (0, 4) \rightarrow \varepsilon = a(-1) + 4 \rightarrow a = \frac{-1}{-1} = 1$$

$$a^2 - \varepsilon a - 1 = 0 \rightarrow \frac{1}{a} + \frac{1}{b} = \frac{b+a}{ab} = \frac{\varepsilon}{-1} = \frac{-1}{1}$$

$$a+B = \varepsilon$$

$$aB = -1$$

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$$n = 1 \rightarrow \varepsilon = 1a - 1 + 3a^2 + 9a + 1 \rightarrow 3a^2 + 8a = 0 \rightarrow a = 0$$

$$a = 1 \rightarrow 1 - 1 + 3 + 9 + 1 = 14 \rightarrow a = 1$$

$$a = \frac{1}{3} \rightarrow \frac{1}{9} - \left(\frac{-1}{3} + \varepsilon\right) + 3 \times \frac{1}{9} + 9\left(\frac{1}{9}\right) + 1 = 0 \rightarrow a = \frac{1}{3}$$

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