

نام و نام خانوادگی: پاسباننامہ تشریحی تکلیف شماره ۲۲ ... کلاس: و ...

$$\alpha + \beta = \frac{-b}{2a} = \omega \quad \frac{c}{a} = \alpha \cdot \beta = 2$$

$$B^r = \omega B^r \rightarrow B^r = B(B^r) = B(\omega B^r) = \omega B B^r$$

$$B^r = B(B^r) = 1 \cdot \omega B - 2$$

$$B^r = B(B^r) \rightarrow B(1 \cdot \omega B^r - 2) \rightarrow \frac{2 - 2B + 2\omega B - 2}{2\omega B - 1} = \frac{19(2\omega B - 1)}{2\omega B - 1} = 19$$

(۲)

$$\frac{-1 \cdot \omega + 2}{2} = 0.175 \rightarrow \frac{x_1 + x_2}{2} = 0.175 \rightarrow x_1 + x_2 = 0.35$$

(۲)

$$x_1 x_2 = \frac{-b \pm \sqrt{\Delta}}{2a} = \frac{-2k \pm \sqrt{4k^2 - 4}}{2} = -1 \pm \sqrt{k^2 - 1}$$

$$-1 + \sqrt{k^2 - 1} + 1 + \sqrt{k^2 - 1} = \frac{4}{9} \rightarrow 2\sqrt{k^2 - 1} = \frac{4}{9} \rightarrow \sqrt{k^2 - 1} = \frac{2}{9} \rightarrow k^2 - 1 = \frac{4}{81} \rightarrow k^2 = \frac{85}{81} \rightarrow k = \frac{\sqrt{85}}{9}$$

$$\left[\frac{k^r}{2} \right] = \left[\frac{9}{2} \right] = 4$$

(۲)

$$\frac{-\omega + 2}{2} = -1 \rightarrow \frac{-b}{2a} = -1 \rightarrow b = 2a \rightarrow 2a - b = 0 \rightarrow \alpha + \beta = \frac{-b}{a} = \frac{-2a}{a} = -2$$

$$\alpha + \beta = (\alpha + \beta) \cdot \frac{1}{2} \rightarrow \omega = \frac{1}{2} \cdot 2 \rightarrow \omega = 1$$

$$\alpha = -\frac{2}{\mu}$$

$$\frac{1 + a}{a} = -\frac{1}{2} \rightarrow a = \frac{2}{3}$$

$$C = a + 1 = \frac{2}{3} + 1 = \frac{5}{3}$$

(۱,۵)

$$\frac{-b \pm \sqrt{\Delta}}{2a} \leq \frac{9}{2} \rightarrow -\omega \pm \sqrt{2\omega + 1} \leq 9 \rightarrow 2\omega + 1 \leq 81 \rightarrow \omega \leq \frac{80}{2} = 40$$

$$m \leq \frac{1}{2} = 0.5$$

$$m = -\frac{1}{2}, -1, -2, -3, -4, -5, -6, -7, -8, -9, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -40$$

(۱,۵)

$\frac{-\Delta}{2a} = \frac{-1}{2} \rightarrow -\Delta = 1 \rightarrow a = -\frac{1}{2}$ $\frac{-b}{2a} = \frac{1}{2} = \frac{1}{2} \checkmark$	$m^2 - 12m - 15 = 0$ $(m-12)(m+15) = 0$ $m = 12, -15$
$x^2 + (a+1)x + a - 1 = 0 \rightarrow \frac{-b \pm \sqrt{\Delta}}{2a} \rightarrow x_1 = -a-1, x_2 = -a-1$ $a^2 = a \cdot \beta \rightarrow a^2 = (a+1)(a-1) \rightarrow a^2 = a^2 - 1 \rightarrow \Delta < 0 \text{ و } \emptyset$ $P = a \cdot \beta = a - 1$ $a^2 = a \cdot \beta \rightarrow a^2 = a - 1 \rightarrow a^2 - a + 1 = 0 \rightarrow a = 1$ $a = 1 \rightarrow x^2 + 2x + 1 = 0 \rightarrow \Delta = 0 \rightarrow \text{نقطهٔ تماس}$	$x_1 = -a-1, x_2 = -a-1$ $a^2 = a \cdot \beta \rightarrow a^2 = (a+1)(a-1) \rightarrow a^2 = a^2 - 1 \rightarrow \Delta < 0 \text{ و } \emptyset$ $P = a \cdot \beta = a - 1$ $a^2 = a \cdot \beta \rightarrow a^2 = a - 1 \rightarrow a^2 - a + 1 = 0 \rightarrow a = 1$ $a = 1 \rightarrow x^2 + 2x + 1 = 0 \rightarrow \Delta = 0 \rightarrow \text{نقطهٔ تماس}$
$x^2 + t^2 - 2t = 0 \rightarrow \frac{-b \pm \sqrt{\Delta}}{2a} = \frac{0 \pm \sqrt{4t^2}}{2} = \pm t$ $S = \frac{V - \sqrt{49} + V + \sqrt{49}}{2} = V$ $P = \frac{V - \sqrt{49}}{2} \cdot \frac{V + \sqrt{49}}{2} = \frac{V^2 - 49}{4} = -\frac{49}{4} \rightarrow \omega = -\frac{49}{4}$ $x = \pm \sqrt{\frac{V + \sqrt{49}}{2}} \rightarrow S = 0, P = -\frac{V + \sqrt{49}}{2}$	$t = \frac{V - \sqrt{49}}{2}$ $t = \frac{V + \sqrt{49}}{2}$ $P = \frac{V - \sqrt{49}}{2} \cdot \frac{V + \sqrt{49}}{2} = \frac{V^2 - 49}{4} = -\frac{49}{4} \rightarrow \omega = -\frac{49}{4}$ $x = \pm \sqrt{\frac{V + \sqrt{49}}{2}} \rightarrow S = 0, P = -\frac{V + \sqrt{49}}{2}$
$\frac{-b}{2a} = \frac{1}{2} = \frac{1}{2} \rightarrow y_s = \frac{-\Delta}{2a} = \frac{-1}{2} = -\frac{1}{2}$ $\frac{-1}{2} = \frac{1}{2} \rightarrow -1 = 1 \rightarrow k = 1$ $y_s = -\frac{1}{2} = -\frac{1}{2} \checkmark$	$m^2 - 12m - 15 = 0$ $(m-12)(m+15) = 0$ $m = 12, -15$
$-m \cdot x = -m \cdot x \rightarrow -m \cdot x = -m \cdot x$ $m^2 - 12m - 15 = 0$ $(m-12)(m+15) = 0$ $m = 12, -15$	$m^2 - 12m - 15 = 0$ $(m-12)(m+15) = 0$ $m = 12, -15$