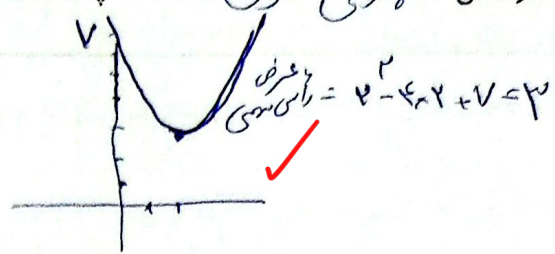
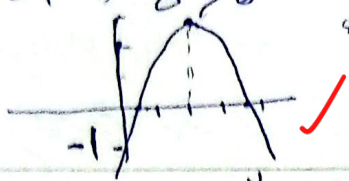


الف) $y = m^2 - 4m + 7$, $\Delta < 0$
 طول رأس سبی = $2 = \frac{4}{2 \times 1}$ افزین!



ب) $-m^2 + 4m - 1$, $\Delta > 0$

طول رأس سبی = $\left[\frac{2}{1} \right]$



ریشه = $\frac{-4 \pm \sqrt{16 - 4}}{-2} = 2 \pm \sqrt{3}$
 $2 + 1, \sqrt{3}$ و $2 - 1, \sqrt{3}$

الف) $\Delta > 0 \Rightarrow (m+1)^2 - 4 \times 2 \times (\frac{1}{4}m + 2) > 0$ $m \in (-\infty, -2) \cup (\omega, +\infty)$

ب) $\Delta = 0 \Rightarrow (m+1)^2 - 4 \times 2 \times (\frac{1}{4}m + 2) = 0 \Rightarrow m = -2$ ✓

ج) $\Delta < 0 \Rightarrow$ طول رأس سبی $\Rightarrow m \in (-2, \omega)$ ✓

د) $\Delta \geq 0 \Rightarrow$ از دو طرفه باطل $m \in (-\infty, -2] \cup [\omega, +\infty)$ ✓

الف) $\Delta > 0 \Rightarrow 4(m+1)^2 - 4 \times 10(m-2) > 0$ همیشه برقرار است

$S < 0$ $P > 0$ $S = \frac{4(m+1)}{m-2} < 0$ $P = \frac{10}{m-2} > 0$ $m < 2$ ✓

ب) $\Delta > 0 \Rightarrow$ همیشه برقرار است $S < 0$, $P < 0$ $S = \frac{4(m+1)}{m-2} < 0$ $P = \frac{10}{m-2} < 0$
 منفی منفی مثبت $\Rightarrow m \in (-2, 2)$ ✓

الف) $\Delta > 0$ $P < 0$ $4(m+1)^2 - 4 \times 10(m-2) > 0$ همیشه برقرار است

$P < 0$ $\frac{10}{m-2} < 0$ $m < 2$ ✓ $m \in (-\infty, 2)$

ب) $\frac{-b}{2a} = -2 = \frac{4(m+1)}{4(m-2)} \Rightarrow -2m + 4 = m + 1$ $3m = 3$ ✓ $m = 1$

$\Delta \geq 0$ $4 \sin^2 - 4 \times \frac{4}{5} \times \frac{4}{5} \geq 0$ $\sin^2 - 1 \geq 0$ $\sin^2 \geq 1$ $\sin \geq 1$ و $\sin \leq -1$

$\frac{4}{5}m^2 - 2m + \frac{4}{5} = 0$ ✓ $m = 1, \omega$

$\frac{4}{5}m^2 + 2m + \frac{4}{5} = 0$ $m = -1, \omega$ ✓
 $\sin = -1$

$$\frac{(2m+1)(m-1)(2m-3)(m+1)}{-(m-1)(m+1)} = -(2m+1)(2m-3) = 9m^2 + 15m + 6$$

$$\frac{9ac - b^2}{9a} = \frac{-9 \times 9 \times 6 - 15^2}{-9 \times 9} = \frac{219}{9}$$

$$S = \frac{m+2}{m} \quad P = \frac{2}{m} \quad 2S = 2P + V \quad S^2 - 2P = ?$$

$$\frac{2m+4+10}{m} = V \Rightarrow m = 2 \Rightarrow S = \frac{4}{2} \quad P = \frac{2}{2} = 1$$

$$S^2 - 2P = \frac{16}{4} + 2 \times \frac{2}{4} = \frac{18}{4}$$

$$S = a + B = 10 \quad P = aB = 2 \quad B = \frac{2}{a}$$

$$\frac{9a^2 + a^2B^2}{9a} \Rightarrow \frac{9a^2 + (a^2 \times \frac{4}{a^2})}{9a} = \frac{9(a^2 + B^2)}{9a} = \frac{S^2 - 2SP}{a} = \frac{100 - 20}{10} = 18$$

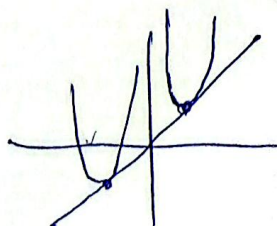
$$C = 2 \quad am^2 + bm + 2 = 2m + 10 \Rightarrow am^2 + m(b-2) - 8$$

$$\left. \begin{array}{l} m=2 \Rightarrow 9a+2b=10 \\ m=-2 \Rightarrow 9a-2b=0 \end{array} \right\} \begin{array}{l} C=2 \\ a=1 \\ b=2 \end{array} \Rightarrow m^2 + 2m + 2 = 2 \quad \frac{2}{2 \times 1} = \frac{-1 \times 10}{2}$$

$$2m^2 + (m+1)m + m + 4 = n \Rightarrow \Delta = 0 \Rightarrow \Delta = 0$$

$$\Rightarrow 2m^2 + (m+1)m + m + 4 \Rightarrow \Delta = 0 \Rightarrow m^2 - 4 \times 2 \times (m+4) = 0$$

$$\Rightarrow m = -4 \text{ و } -2$$



سوم
اول هم این است
اول هم این است
سوال تغییر یافته

اول رد می شود

چهارم تغییر یافته