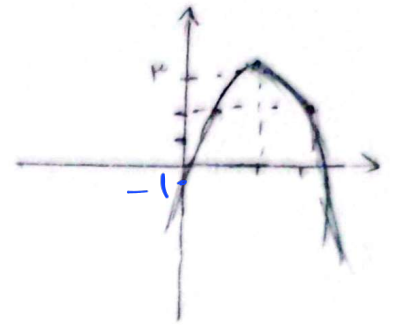


الف) $y = x^2 - 2x + 3$ $\frac{-b}{2a} = \frac{2}{2} = 1$ $\frac{c}{a} = \frac{3}{1} = 3$ $\frac{x}{y} \begin{matrix} 1 & 2 & 3 \\ 1 & 4 & 9 \end{matrix}$ $y = x^2 - 2x + 3 = 2$

ب) $y = -x^2 + 2x - 1$

$\frac{-b}{2a} = \frac{-2}{-2} = 1$ $\frac{c}{a} = \frac{-1}{-1} = 1$ $\frac{x}{y} \begin{matrix} 1 & 2 & 3 \\ 1 & 4 & 9 \end{matrix}$ $y = -x^2 + 2x - 1 = 2$



ج) $\Delta > 0$ $b^2 - 4ac > 0$ $m^2 + 1 + 2m - 2(m + 2) > 0$ $m^2 - 2m - 3 > 0$ $(m + 3)(m - 2) > 0$

$\frac{-b}{2a} = \frac{-2}{2} = -1$ $m = (-\infty, -3) \cup (2, +\infty)$

د) $\Delta = 0$ $m^2 - 2m - 3 = 0 \rightarrow (m + 3)(m - 2) = 0$ $m = -3$ or $m = 2$

هـ) $\Delta < 0$ $m^2 - 2m - 3 < 0 \rightarrow (m + 3)(m - 2) < 0$ $m = (-3, 2)$

و) $\Delta \geq 0$ $(m + 3)(m - 2) \geq 0$ $m = (-\infty, -3] \cup [2, +\infty)$

ز) $\frac{-b}{2a} = \frac{-1}{2} = -0.5$ $m = (-1, 2)$

ح) $P > 0$ $S < 0$ $\Delta > 0$

الف) $ac < 0$ $10m - 20 < 0$ $10m < 20$ $m < 2$

ب) $\frac{-b}{2a} = -2 \rightarrow \frac{2m + 2}{2m + 2} = -2 \rightarrow -2m + 1 = 2m + 2 \rightarrow -4m = 1$ $m = -\frac{1}{4}$

$\Delta \geq 0$ $4 \sin^2 x - 2(1) \geq 0$ $4 \sin^2 x \geq 2$ $\sin^2 x \geq \frac{1}{2}$ $\sin x = \pm \frac{1}{\sqrt{2}}$ $x = \frac{\pi}{4}$ or $x = \frac{3\pi}{4}$

$(2x - 2)^2 = 0 \rightarrow x = 1$

Subject:

Year:

Month:

Day:

$$r's \rightarrow v = 0 \rho$$

$$\left(\frac{m \alpha^r}{m} \right) + v = 0 \left(\frac{-1}{2} \right)$$

$$r + \frac{v}{m} + v =$$

$$\frac{1}{m}$$

$$m \rightarrow -1/4$$

$$10 = \frac{-1}{m}$$

$$\rightarrow 10m = -1 \rightarrow m = -1/10$$

$$\frac{r^1 + s}{s^1 - 1\rho} \rightarrow$$

$$\frac{1}{10} \left(\frac{1}{-1/10} \right) - \frac{1}{10} \left(\frac{1}{-1/10} \right) = \frac{1}{10}$$

$$s = \frac{0.1}{-1/10} = -1$$

$$\rightarrow \frac{1}{10}$$

$$\frac{0.1}{10} \rho$$

Subject:

Year:

Month:

Day:

$$q_0 + 11q_0 + 0 \rightarrow \text{max}$$

$$\frac{1}{11} \frac{1}{11} \frac{1}{11}$$

$$\frac{0.1}{10}$$

$$\rightarrow$$

$$\frac{0.1}{10} \rho$$

$$\frac{0.1}{10}$$

$$r^1 + s + r = 0$$

$$13 + 0 + 1 = 0 \rightarrow 13 = -1$$

$$\frac{r^1 + s}{10} =$$

$$\frac{0.1}{10} \rho$$

$$\frac{0.1}{10} \rho = 10$$

$$\frac{0.1}{10}$$

$$y = 10 + 1 \rightarrow y = 11$$

$$y = -4 + 1 \rightarrow y = -3$$

$$x = \frac{-b}{10} = \frac{-1}{10}$$

$$y = ax^2 + bx + c$$

$$10a + 11b = 11$$

$$\frac{0.1}{10}$$

$$r^1 + (m+1) + m + 4 = 10$$

$$r + (m+1) = 1 \rightarrow 10 = -1 \rightarrow r = -10$$

$$\frac{0.1}{10}$$

$$r \left(\frac{-m}{2} \right) + (m+1) + m + 4 = \frac{-m}{2}$$

$$\frac{m^2}{2} - \frac{m^2}{2} + m + 4 =$$

$$\frac{-m^2}{2} + m + 4 =$$

Anis

$$m^2 - 10m - 10 = 0 \rightarrow m = 10$$

$$m = 10$$