

$$الف) y = x^2 - \varepsilon x + \nu \quad \frac{-b}{2a} = \frac{\nu}{1} = \nu \quad \frac{\nu}{1} \quad \frac{\nu}{1} \quad \frac{\nu}{1}$$

لـ ١

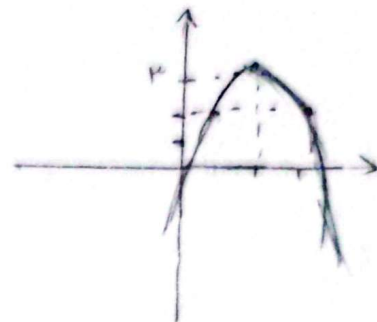
$$y = \varepsilon - 1 + \nu = 2$$

$$ب) y = -x^2 + \varepsilon x - 1$$

$$\frac{-b}{2a} = \frac{-\varepsilon}{-2} = \frac{\varepsilon}{2}$$

$$\frac{\varepsilon}{2} \quad \frac{\varepsilon}{2} \quad \frac{\varepsilon}{2}$$

$$y = -\varepsilon + 1 - 1 = 2$$



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

(٢)

$$m = \left\{ (-\infty, -\varepsilon) \cup (\varepsilon, +\infty) \right\}$$

$$\div) \Delta = 0 \quad m^2 - 2m - 1\varepsilon = 0 \rightarrow (m + \varepsilon)(m - \varepsilon) = 0 \quad m = -\varepsilon \text{ or } \varepsilon$$

$$ح) \Delta < 0 \quad m^2 - 2m - 1\varepsilon < 0 \rightarrow (m + \varepsilon)(m - \varepsilon) < 0$$

$$د) \Delta \geq 0 \quad (m + \varepsilon)(m - \varepsilon) \geq 0 \quad m = (-\infty, -\varepsilon] \cup [\varepsilon, +\infty)$$

$$ب) m = -1$$

$$\frac{-b}{a} < \frac{2m + 2}{m - 2} < \dots$$

$$m = \left\{ (-1, 2) \right\}$$

$$\rightarrow \begin{cases} p > 0 \\ \varepsilon < 0 \\ \Delta > 0 \end{cases}$$

(٣)

$$الف) ac < 0 \quad 10m - 20 < 0$$

$$10m < 20$$

$$m < 2$$

(٤)

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

$$m = 1$$

$$\Delta \geq 0 \quad 4 \sin^2 \alpha - \varepsilon(1) \geq 0$$

$$4 \sin^2 \alpha \geq \varepsilon$$

$$\sin^2 \alpha \geq \frac{\varepsilon}{4}$$

$$\sin \alpha = \pm 1$$

$$\frac{\varepsilon}{4}$$

(٥)

Subject:

Year:

Month:

Day:

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

$$\left(\frac{m}{m} \right) r + v = 0 \left(\frac{1}{\pi} \right)$$

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

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

$$m \rightarrow -1/4$$

$$10 = -\frac{1}{4} m$$

$$\rightarrow 10m = -1/4 \rightarrow m = -1/4$$

$$P^1 - 13 \rightarrow$$

$$\frac{1}{4} \left(\frac{1}{4} \right) - \frac{1}{4} \left(\frac{1}{4} \right) = \frac{1}{4}$$

$$S = \frac{0.4}{-1/4} = -1/4$$

$$P = \frac{-1}{-1/4} = \frac{4}{1}$$

o v d u

Anis

Subject:

Year:

Month:

Day:

o v d u

$$r's + v = 0$$

$$r's + v + 1 = 0 \rightarrow \beta^1 = -(a\beta + 1)$$

$$\frac{r's + \beta^1}{-a(a\beta + 1)} =$$

$$y = \sum + 1. \rightarrow y = 13$$

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

$$x = \frac{-b}{1a} = \left[\frac{-1}{1} \right]$$

$$y = ax^1 + bx + \sum$$

$$x^1 \{ r's + 1b = 13 = \sum$$

$$x^1 \{ 9a - 4b = 0$$

$$\begin{cases} 11ra + 4b = 13 \\ 11ra - 4b = 0 \end{cases}$$

$$\begin{cases} b = 1 \\ a = 1 \end{cases}$$

$$r's + (m+1) x + m + y = x$$

$$r's + (m+1) = 1 \rightarrow \sum x = -m \rightarrow x = \frac{-m}{\sum}$$

$$r \left(\frac{-m}{\sum} \right) + (m+1) x \left(\frac{-m}{\sum} \right) + m + y = \frac{-m}{\sum}$$

$$\frac{m}{\sum} - \frac{m}{\sum} + m + y =$$

$$\rightarrow \frac{-m}{\sum} + m + y =$$

Anis

$$m's - am - \sum a = \dots \rightarrow (m-1)(m+5) =$$

$$m's + m = -3$$