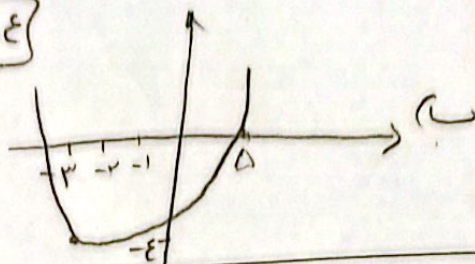


$$\min \left| \frac{-b}{2a} = \frac{-4}{2} = -2 \right|$$

$$\left(\frac{9}{4} \right) + 4(-2) + 5 = 9 - 8 + 5 = 6$$

$$b=4$$

(الف)

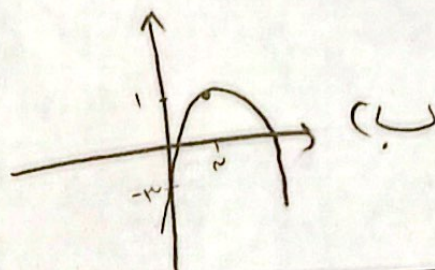


$$\max \left| \frac{-b}{2a} = \frac{-4}{2} = -2 \right|$$

$$\left(\frac{9}{4} \right) + 4(-2) + 5 = 9 - 8 + 5 = 6$$

$$b=-4$$

(الف)



$$\Delta > 0 \rightarrow 9 - 16a > 0 \rightarrow 9 > 16a \rightarrow a < \frac{9}{16}$$

(الف)

$$9 - 16a = 0 \rightarrow a = \frac{9}{16}$$

(ب)

$$9 - 16a < 0 \rightarrow 9 < 16a \rightarrow a > \frac{9}{16}$$

$$9 - 16a > 0 \rightarrow a < \frac{9}{16}$$

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$$(n-1)^2 = 2 \rightarrow n-1 = \sqrt{2} \Rightarrow n = 1 + \sqrt{2}$$

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$$\Delta = 1 - (-4) = 5$$

بارش مربع اول ندرتست
مل ندرت

$$\Delta = b^2 - 4ac = (-4)^2 - 4(1)(-1) = 20$$

$$x = \frac{4 \pm \sqrt{20}}{2}$$

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$$\Delta = b^2 - 4ac = (-4)^2 - 4(1)(-1) = 20$$

$$x = \frac{4 \pm \sqrt{20}}{2}$$

$$\text{ا) } (n-5)(n-4)=0 \rightarrow n=5$$

$$\rightarrow n=4$$

$$\text{ب) } (n+5)(n-4)=0 \rightarrow n=-5$$

$$\rightarrow n=4$$

$$\text{ا) } x^2 - 12x + 35 = 0 \rightarrow (x-5)(x-7)=0 \rightarrow x=5$$

$$\rightarrow x=7$$

$$\text{ب) } x^2 - 10x + 21 = 0 \rightarrow (x-3)(x-7)=0 \rightarrow x=3$$

$$\rightarrow x=7$$

$$\text{ا) } \text{جميع فترات } n=1$$

$$\rightarrow n = \frac{c}{a} = \frac{3}{2}$$

$$\text{ج) } \Delta = 25 - 1 = 24$$

$$x = \frac{5 \pm \sqrt{24}}{2}$$

$$\text{ب) } B=C, \text{ جميع فترات } n=-1$$

$$\rightarrow n = -\frac{c}{a} = -\frac{3}{2}$$

$$\text{د) } (x^2 + 5x + 4) = 1$$

$$(x+4)(x+1) = 1$$

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

$$x+1=1 \rightarrow x=0$$

$$\text{ا) } 9 - \frac{3}{2} = 13$$

$$S = -\frac{b}{a} = \frac{3}{2}$$

$$P = \frac{c}{a} = -\frac{3}{2}$$

$$\text{ب) } 27 - \frac{3}{2} = 52$$

$$\text{ا) } \left(\frac{5}{8}\right) \rightarrow \frac{5 \times 4 \times 0.5}{8 \times 2} = 1$$

$$\frac{9 \times 4 \times 0.5}{8 \times 2} = 1.125 \rightarrow 21 + 1.125 = 22.125$$

$$\text{ب) } \left(\frac{9}{8}\right) \rightarrow \frac{9 \times 4 \times 0.5}{8 \times 2} = 1.125$$

$$\left(\frac{1}{2}\right) = \frac{1 \times 4 \times 0.5}{8 \times 2} = 0.125 \rightarrow 19.125 - 21 = 1.125$$