

السؤال الأول:

$$1) \left[(c+s) \sqrt{c+s} (3+\sqrt{4+c}) \right] \text{ برى}$$

$$3+\sqrt{4+c} = s$$

$$\sqrt{c} = \frac{cs}{4+c}$$

$$3-s = \sqrt{4+c}$$

$$\left[(c+s) \sqrt{c+s} \cdot \frac{cs}{4+c} \right]$$

$$2) \left[(c+s) \sqrt{c+s} \cdot cs \right]$$

$$3) \left[(c+s) \sqrt{c+s} (3+\sqrt{4+c}) \right] \frac{1}{c}$$

$$4) \left[(c+s) \sqrt{c+s} \right] \frac{1}{c}$$

$$c+s = 1 \rightarrow cs = 1$$

$$5) \left[(c+s) \sqrt{c+s} \right] = 1 - cs = 1 - 1 = 0$$

$$6) \left[(c+s) \sqrt{c+s} (1+c) \right] + \left[(c+s) \sqrt{c+s} \right]$$

$$7) \left[(c+s) \sqrt{c+s} (1+c) \right] + \left[(c+s) \sqrt{c+s} \right] + 1$$

$$8) \left[(c+s) \sqrt{c+s} (3+\sqrt{4+c}) \right] + \left[(c+s) \sqrt{c+s} (3+\sqrt{4+c}) \right] + 1$$

استاذنا ايهاب الشيباني

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$$\frac{c-v-cv}{c-v-cv} \sqrt{\frac{1+c}{c+v+c}}$$

$$ص. \frac{1+c}{c-v-cv} \left\{ \frac{1}{c} \right\}$$

$$ص. \frac{c+v}{c-v-cv} \left\{ +ص.1 \right\}$$

$$\frac{b}{1+v} + \frac{p}{c-v} = ص. \frac{c+v}{(1+v)(c-v)} \left\{ +ص \right\}$$

$$(c-v)b + (1+v)p = c+v$$

$$\frac{0}{2} = p \leftarrow p^2 = 0 \leftarrow c = v \text{ في}$$

$$\frac{c}{2} = b \leftarrow b^2 = c \leftarrow 1 = v \text{ في}$$

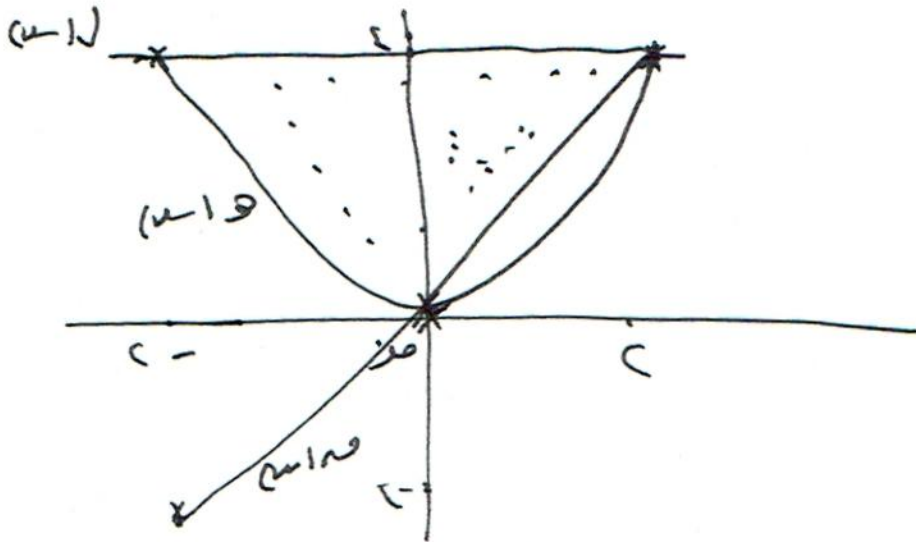
$$ص. \frac{\frac{c-v}{2}}{1+v} \left\{ +ص. \frac{c+v}{c-v} \right\} + ص$$

$$ص. \left\{ \frac{c}{2} - \frac{c+v}{2} \right\} + ص$$

السؤال الثاني:

(1) $\sqrt{c} = (c) \quad , \quad \sqrt{c} = (c) \quad , \quad \sqrt{c} = (c)$

| | | |
|--|--|--|
| $\begin{aligned} (c) &= (c) \\ \varepsilon &= \sqrt{c} \\ \underline{c + \varepsilon} &= \sqrt{c} \end{aligned}$ | $\begin{aligned} (c) &= (c) \\ \varepsilon &= \sqrt{c} \\ \underline{c \pm \varepsilon} &= \sqrt{c} \end{aligned}$ | $\begin{aligned} (c) &= (c) \\ \sqrt{c} &= \sqrt{c} \\ \cdot &= \sqrt{c} - \sqrt{c} \\ \cdot &= (c - \sqrt{c}) \\ \underline{c \pm \varepsilon} &= \sqrt{c} \end{aligned}$ |
|--|--|--|



$$\left[\dots \sqrt{c} - \varepsilon \right] + \dots \sqrt{c} - \varepsilon = P$$

$$\left[\dots \sqrt{c} - \varepsilon \right] + \dots \sqrt{c} - \varepsilon = P$$

$$P = \frac{c \cdot \varepsilon}{\sqrt{c}} = \frac{c \cdot \varepsilon}{\sqrt{c}} + \frac{1}{\sqrt{c}}$$

$$\begin{aligned} \cdot &= | \delta \\ \cdot &= \delta \\ \cdot &= \delta \\ \cdot &= \delta \\ \cdot &= \delta \end{aligned}$$

$$\sqrt[3]{c} = \delta \quad \text{ب: (1)}$$

$$\sqrt[3]{c} = \frac{\delta}{\delta}$$

$$\delta = \frac{\delta}{\delta}$$

$$\delta = \delta \quad \text{ب: (2)}$$

$$\delta + \delta = \delta$$

$$\delta = \delta$$

$$\delta = \delta + \delta$$

$$\delta = \delta + \delta$$

$$\delta = \delta + \delta$$

$$\delta + \delta = \delta$$

$$\delta + \delta = \delta$$

$$\delta + \delta = \delta$$

$$\delta = \delta + \delta$$

سأج (١) م (١ - ١١)

ب

السؤال الثالث:

$$10 \left\{ \frac{\pi}{8} \right\} \text{ نظام } (c) \text{ بر.}$$

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$$\left\{ \frac{\pi}{8} \right\} \text{ نظام } (c) \text{ نظام } (c) \text{ بر.}$$

$$\frac{\pi}{8} - \left\{ \frac{\pi}{8} \right\} \text{ نظام } (c)$$

$$\left\{ \frac{\pi}{8} \right\} \text{ نظام } (c) \text{ نظام } (c) \text{ بر.}$$

$$\left(\frac{\pi}{8} - \frac{1}{c} \right) -$$

$$\left\{ \frac{\pi}{8} \right\} \text{ نظام } (c) \text{ نظام } (c) \text{ بر.}$$

$$\frac{\pi}{8} + \frac{1}{c} - \frac{1}{c}$$

$$\frac{\pi - \pi}{c} = \frac{\pi}{8} + \frac{1}{c} - \frac{1}{c}$$

السؤال الثاني:

$$١) \quad \frac{١}{٤} = \frac{١}{٤} \quad \text{فأ } \left(\frac{١}{٤} \right)$$

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$$\left(\frac{١}{٤} \right) = \frac{١}{٤}$$

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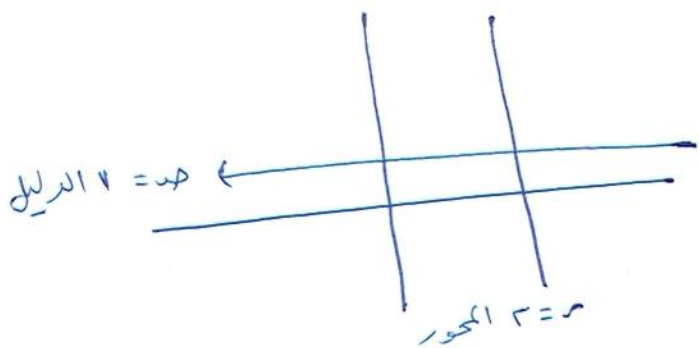
$$\frac{١}{٤} = \frac{١}{٤} \quad \text{فأ } \left(\frac{١}{٤} \right)$$

$$\frac{١}{٤} = \frac{١}{٤} \quad \text{فأ } \left(\frac{١}{٤} \right)$$

١٣ (١) > ١٣

٢ (ب) - ٢

السؤال الرابع:



Ⓟ قطع صادي

الرأس (٣, ١)

$$(٣ - ٥) = ٢ = ٤ - ١ = ٣$$

النقطة (٥, ٣) تحقق

$$١٦ = ٤(٣ - ٥) = ٨$$

$$١ = ٤ + ٣ - ٤ = ٣ - ١ = ٢$$

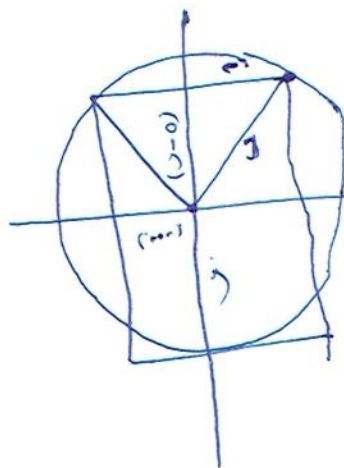
$$١ = (٣ - ٥)(٣ - ٥)$$

$$٢ = ٣$$

المعادلة: $(٣ - ٥) = ٢$

الرأس (٣, ١) البؤرة (٥, ٣)

Ⓟ المركز (٠, ٠)



المعادلة: $(٣ - ٥) + ٤ = ٢$

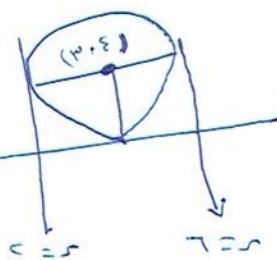
$$٢ = ٤ + (٣ - ٥)$$

$$٢ = ٤ - ٢ + ٤ = ٦$$

$$٢ = ٦$$

$$\frac{٢}{٦} = ١$$

$$٢ = ٤ + ٢$$



Ⓟ الجواب: المركز (٣, ٤)

$$١ = ٣$$

$$١ = \frac{٣}{٥} + \frac{٤}{٩}$$

$$٥ = ٣$$

$$٣ = ٥$$

$$١٦ = ٩ - ٢٥ = ٣ - ١ = ٢$$

Ⓟ الجواب: البعد البؤري (٧)

Ⓟ الجواب: (٧)

(٧)

الجواب النهائي
٧٦٥٣٣٦٤٤
٧٨٧٥٠١١٨

الحال الخامس:

$$\begin{aligned} \textcircled{A} \quad v &= 9 + 10 - s + (52 - 6) \\ 16 &= 35 + 10 - s + (2 - 5) \\ 16 &= s(0 - 3) + (13 - 5) \\ 1 &= \frac{s(0 - 3)}{16} + \frac{(2 - 5)}{4} \end{aligned}$$

قطع ناقص بيضي
المركز (3, 0)

$$\begin{aligned} c - p = e &\Rightarrow c = 0 \quad e = p \\ 12 - p = e &\Rightarrow 12 = e - 16 = e \\ \text{الرأسان} & (3, e \pm 0) \\ \text{البؤرتان} & (3, 12 \pm 0) \\ \text{الاختلاف المركزي} & = \frac{p}{a} = \frac{12}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{B} \quad \text{حد} &= \frac{c}{2} + v = s \\ \frac{c}{2} - v &= s \\ \frac{c}{2} + 3 + v &= s \quad / \quad \frac{c}{2} + 3 + v = s \\ \frac{c}{2} + 3 + v &= s \\ \frac{c}{2} - v &= s \\ \frac{c}{2} + 3 + v &= s \\ \frac{c}{2} - v &= s \end{aligned}$$

قطع زائد هادي

- ① $s = e = 3 - 10 = -7$ تحققه (1, 0)
- ② $e = 3 - 10 = -7$ \Rightarrow $k = 7 < 12$
- ③ $s = 3 - 10 = -7$ \Rightarrow $e(7 - 5) = 12 - 10 = 2$ \Rightarrow الرأس (7, 0) \Rightarrow الجواب ⑤
- ④ المركز (3, 2) \Rightarrow $p = 1 \Rightarrow$ $(-2, 1)$ \Rightarrow الجواب ⑥