

السؤال الاول:

(١) $\boxed{3} = \frac{3}{1} = \frac{2+1}{1} = \frac{1-2-1}{1} = \frac{3-1}{1-3}$ الفرع (٣)

(٢) $2 = 3 + 4$

$2 = \frac{3}{1} + \frac{4}{1}$

الفرع (٤) $\boxed{1-4}$

فرع (٥) $\boxed{3} = 3 + 1 = (1+3) + (1+1)$

(٦) $\frac{3-1}{(1-3)(1+3)}$

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$\frac{0+3}{0+3} = 1$

$\frac{1-1}{1-1} = 0$

فرع (٧) $\{0, 1\} = 2$

(٨) $\left. \begin{array}{l} \epsilon > 3 \text{ } 3 + 4 \\ \epsilon \leq 3 \text{ } \epsilon - 3 \end{array} \right\} = 2$

$3 + 4 = \frac{3}{1} + \frac{4}{1} = \frac{3-1}{1-3} + \frac{4-1}{1-4}$

$3 + 4 = \frac{3-1}{1-3} + \frac{4-1}{1-4}$

$\frac{3}{1} + \frac{4}{1} = \frac{3-1}{1-3} + \frac{4-1}{1-4}$

$7 = \frac{3}{1} + \frac{4}{1}$

$\frac{3}{1} = \frac{4}{1}$

$\boxed{3-4}$

(١)

$$\sqrt{9 - v} + 7 - v + 3 + v \rightarrow \text{زها ①} \quad \boxed{7}$$

15

$$\sqrt{9 - 1} + 7 - 1 + 3 + 1$$

$$\sqrt{8} + 7 - 3 + 1$$

$$2 + 7 - 2$$

$$2 - 2 -$$

$$8 -$$

$$\frac{9}{11+v} + \frac{3}{7-v} \quad \text{زها ②}$$

15

$$\frac{15}{(11+v)(7-v)} = \frac{0x - v + 9 + 0x + v - 3}{(v)(11+v)(7-v)} \quad \text{زها}$$

15

$$\frac{1}{9} = \frac{2}{18} = \frac{15}{18 \times 7} = \frac{15}{(11+1)(7-1)}$$

7

السؤال الثاني:

(4) $\begin{cases} 1 \geq v & 6 \\ 1 < v & 6 \end{cases} = (1, 6)$ $\quad \text{و } (1, 6) = 2 - 3$

$\begin{cases} 1 \geq v & (1, 6) \times (2 - 3) \\ 1 < v & (1, 6) \times (2 - 3) \end{cases} = 1 \times 6 = 6$

$(1, 6) \times (2 - 3) = (1, 6) \times (2 - 3) = (1, 6)$
 $1 \times 6 = 6$

نظراً إلى $(1, 6) \times (2 - 3) = (1, 6) \times (2 - 3)$
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النتيجة = 6

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(5) $\frac{14 - 12}{14 - 12} = \frac{GPA}{P}$

$\frac{(1) - (2)}{1 - 2} =$

فرع (4) $\frac{1 - 0}{1} =$

(6) $\frac{14 - 12}{14 - 12} = \frac{GPA}{P}$

$\frac{14 - 12}{14 - 12} = \frac{GPA}{P}$

فرع (5)

3

السؤال الثاني:

$$(4) \quad \frac{f(3) - f(2)}{3 - 2} = \frac{f(10) - f(5)}{10 - 5}$$

$$3 \times 2 + 2 \times 17 = f(3) \quad \left| \quad \begin{array}{l} 6 + 34 \\ 40 \end{array} \right. \quad \begin{array}{l} 10/5 \quad 10 = \frac{78 - 10}{1} \end{array}$$

$$2 \times 2 + 2 \times 17 = f(2) \quad \left| \quad \begin{array}{l} 4 + 34 \\ 38 \end{array} \right.$$

$$(5) \quad (1) \quad (1 - c) + (0 + \frac{c}{s}) = \frac{1}{s}$$

$$1 - x''(1 - c) + \frac{1 - c}{0 + \frac{c}{s}} = \frac{1}{s}$$

موقع الدوال التعليمي
أضخم منصة عربية للتعليم الإلكتروني

$$(6) \quad \frac{1 + \frac{c}{s}}{s - 2} = \frac{1}{s}$$

$$\frac{(1 - c) \times (1 + \frac{c}{s}) - (s - 2) \times (s - 2)}{s(s - 2)} = \frac{1}{s}$$

1 = s

$$(7) \quad (3 + \frac{c}{s}) (1 + s) = (s - 1) \quad (1)$$

$$\begin{aligned} (3 + \frac{c}{s}) (1 + s) &= 10 \\ (3 + \frac{c}{1}) (1 + 1) &= 10 \\ 8 &= 2 \times c \end{aligned}$$

$$\begin{aligned} 1 &= 10 \\ 8 &= 10 \end{aligned}$$

$$(1) \times (3 + \frac{c}{s}) + (s - 1) \times (1 + s) = (s - 1)$$

$$8 = 10$$

$$1 \times (3 + \frac{c}{1}) + (1 - 1) \times (1 + 1) = (1 - 1)$$

$$1 \times 4 + 0 \times 2$$

$$4 + 0$$

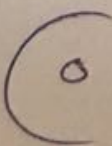
$$4$$

$$(1 - s) \times 8 = 10 - 10$$

$$(1 - s) \times 8 = 0 - 10$$

$$\frac{8}{1 + s} \times 8 = \frac{10}{1 + s}$$

$$s - 8 = 10$$



3) $u = \sqrt{v}$

$u' = \frac{1}{2\sqrt{v}}$

2) $u = \sqrt{v}$

$u'' = -\frac{1}{4v^{3/2}}$

4) $f(x) = 3x^2 + v$

$f'(x) = 6x$

5) $f'(x) = 12 = 12 \cdot \frac{1}{\sqrt{v}} = 12 \cdot \frac{1}{\sqrt{11}}$

4) $f(x) = 2 - \sqrt{v}$

$f'(x) = \frac{0 - \frac{1}{2}\sqrt{v}}{\sqrt{v}} = \frac{-\frac{1}{2}\sqrt{v}}{\sqrt{v}}$

$f'(x) = \frac{(\frac{1}{2} - \frac{1}{2}) - (\frac{1}{2} - \frac{1}{2})}{\sqrt{v}}$

$f'(x) = \frac{\frac{1}{2} - \frac{1}{2} - \frac{1}{2} + \frac{1}{2}}{\sqrt{v}}$

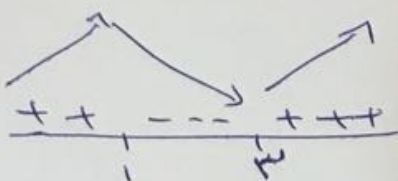
$f'(x) = \frac{\frac{1}{2} - \frac{1}{2}}{\sqrt{v}}$

$f'(x) = \frac{(\frac{1}{2} - \frac{1}{2})(\frac{1}{2} + \frac{1}{2})}{\sqrt{v}}$

$f'(x) = \frac{1}{2} - \frac{1}{2}$

4

السؤال الرابع:



④ $\{ 3, 6 \} = 3$

فرع ④

③ $3 \times 3 = 9$

فرع ④

③ $3 + 3 = 6$

④ $3 \times 3 = 9$

④ $10 \times 10 = 100$

فرع ④

عوض الأعداد

ب. مزر العقرباوي

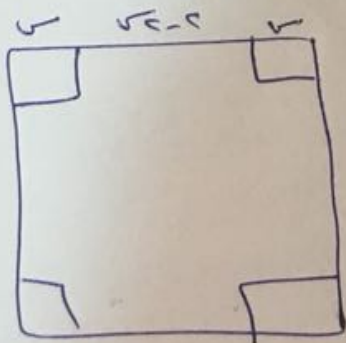
السؤال الخامس:

④ $(3 + 6) - 5 - 5 = (3 + 6) - (5 + 5)$

$3 + 6 - 5 - 5$

$3 - 5 - 5$

$3 - 5 = 2$



⑤ ابعاد المثلث طول 3 عرض 3 ارتفاع 3

المجموع = $3 \times 3 + 3 \times 3 + 3 \times 3$

$3 \times 3 + 3 \times 3 + 3 \times 3$

$3 \times 3 + 3 \times 3 + 3 \times 3$

$3 \times 3 + 3 \times 3 + 3 \times 3$

$3 \times 3 + 3 \times 3 + 3 \times 3$

$3 \times 3 + 3 \times 3 + 3 \times 3$

على عتبات

المجموع الكلي

عندما 3

$$\frac{3}{3} = 1$$

$$\frac{3}{3} = 1$$

$$\frac{3}{3} = 1$$

$$1 + 1 + 1 = 3$$

$$(1 + 1 + 1) = 3$$

④

~~المعادلة التربيعية~~

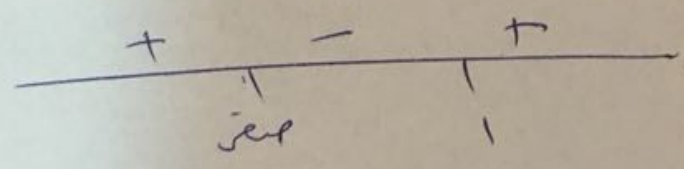
السؤال الرابع: $\sqrt{x} - \frac{1}{\sqrt{x}} = 3$ و $\sqrt{x} - \frac{1}{\sqrt{x}} = 3$

و $\sqrt{x} - \frac{1}{\sqrt{x}} = 3$

$\sqrt{x} - \frac{1}{\sqrt{x}} = 3$

$\sqrt{x} (1 - \frac{1}{x}) = 3$

$\sqrt{x} = 3$ $\sqrt{x} = 1$



فترات التزايد (1, 3) و (3, ∞) و فترات التناقص (-∞, 1)

فترات التناقص (1, 3)