

الترتيب:

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$$\frac{ABC}{ANM} = \frac{AB}{AN} = \frac{AC}{AM} = \frac{BC}{NM}$$

$$= \frac{4}{x+1} = \frac{y+2}{y} = \frac{5}{2x}$$

جاءت 4 و 5 = جاءت 1 و 2 ترتيب

$$5(x+1) = 4(2x)$$

$$5x+5=8x$$

$$5=3x$$

$$x = \frac{5}{3}$$

$$\frac{4}{\frac{8}{3}} = \frac{y+2}{y}$$

$$4y = \frac{8}{3}(y+2)$$

$$= \frac{8}{3}y +$$

$$AB=BC=5\sqrt{2}$$

$$AB=3\sqrt{2}$$

$$BC=8\sqrt{2}$$

$$BC=4\sqrt{2}$$

$$AC^2 = BC^2 + AB^2$$

$$AC^2 = (4\sqrt{2})^2 + (3\sqrt{2})^2$$

$$AC^2 = 32 + 18$$

$$AC^2 = 50$$

$$AC = 5\sqrt{2}$$

$$P = 12\sqrt{2}$$

$$A=3 - B$$

$$x=3$$

أ - أربع سنين التالية

$$\frac{CA}{CA} = \frac{CB}{CB} = \frac{AB}{AB}$$

التالي:

X

✓

X

X

التالي:

$$2(5) - 5 \leq 3$$

$$10 - 5 \leq 3$$

$$5 \leq 3$$

ليس من الممكن

$$2(2) - 5 \leq 3$$

$$4 - 5 \leq 3$$

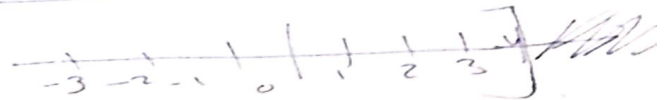
$$-1 \leq 3$$

من الممكن

$$2x - 5 \leq 3$$

$$2x \leq 8$$

$$x \leq 4$$



$$A = \left(x + \frac{1}{\sqrt{2}}\right)^2 + \frac{1}{2}$$

$$A = x^2 + \sqrt{2}x + \frac{1}{2} + \frac{1}{2}$$

$$\underline{A = x^2 + \sqrt{2}x + 1}$$

$$A = 13$$

$$A = (\sqrt{2})^2 + \sqrt{2}(\sqrt{2}) + 1$$

$$A = 2 + 2 + 1$$

$$\underline{\underline{A = 5}}$$

$$x^2 + \sqrt{2}x + 1 = 1$$

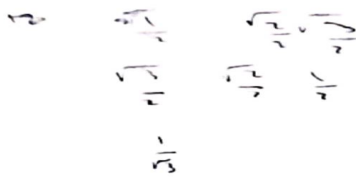
$$x^2 + \sqrt{2}x = 1 - 1$$

$$\underline{x = 0}$$

$$13 = \frac{1}{2}$$

$$x^2 + \sqrt{2}x + 1 = \frac{1}{2}$$

$$x^2 + \sqrt{2}x = -\frac{1}{2}$$



$$\frac{A}{B} = \frac{2}{1} \Rightarrow C = 30^\circ$$

$$A + B = 150^\circ$$

$$\frac{A+B}{2} = \frac{150}{2}$$

$$\frac{150}{2} = 75$$

$$B = 3 \times \frac{150}{2} \times 1.5^\circ$$

$$A = 150^\circ - 90^\circ = 60^\circ$$

$$\tan A: 60^\circ = 1$$

الخط

1- $KA \parallel BT$ لأن السووان على مسبقه واه متوازيان

$$\frac{STB}{SKA} = \frac{ST}{SK} = \frac{IB \cdot SA}{KA \cdot SA}$$

$$= \frac{4}{6} = \frac{IB}{4.5} = \frac{IB}{SA}$$

$$IB = \frac{4.5 \times 4}{2 \times 3} = 3$$

$$IB = 3$$

$$PS^2 = IB^2 + CS^2$$

$$BS^2 = 9 + 16$$

$$BS^2 = 25$$

$$BS = 5$$

$$VI = Kx^3 \text{ و } K$$

$$VI = \frac{1}{2.25} \times 972$$

$$VI = \underline{\underline{432 \text{ cm}^3}}$$

$$\frac{2}{3} = \frac{E}{SA}$$

$$SA = \frac{15}{2}$$

$$SA = \underline{\underline{7.5}}$$

$$\frac{IB}{KA} = \frac{3}{4.5} = \frac{1}{1.5}$$

$$K = \frac{S_{SKA} \times \pi r^2}{27 \times 36} = 972 \text{ cm}^3$$

$$\begin{aligned} S_{SKA} &= SK \times KA \\ S_{KA} &= 6 \times 4.5 \\ S_{SKA} &= 27 \text{ cm}^2 \end{aligned} \quad \left| \begin{array}{l} \pi r^2 \\ 36 \pi \text{ cm} \end{array} \right|$$