



7 Nov 2024 Live Classes Schedule

07 NOVEMBER 2024 DAILY CURRENT AFFAIRS RUBY MA'AM

DIVYANSHU SIR 9:00AM **07 NOVEMBER 2024 DAILY DEFENCE UPDATES**

SSB INTERVIEW LIVE CLASSES

9:30AM **OVERVIEW OF PPDT & PRACTICE** ANURADHA MA'AM

NDA 1 2025 LIVE CLASSES

11:30AM **GK - ANCIENT & MEDIEVAL HISTORY - MCQ CLASS RUBY MA'AM**

> MATHS - PERMUTATION & COMBINATION - CLASS 2 **NAVJYOTI SIR**

5:30PM **ENGLISH - ORDERING OF SENTENCES - CLASS 2** ANURADHA MA'AM

CDS 1 2025 LIVE CLASSES

11:30AM **GK - ANCIENT & MEDIEVAL HISTORY - MCQ CLASS RUBY MA'AM**

ANURADHA MA'AM 5:30PM **ENGLISH - ORDERING OF SENTENCES - CLASS 2**

7:00PM **MATHS - GEOMETRY - CLASS 3 NAVJYOTI SIR**

AFCAT 1 2025 LIVE CLASSES

ENGLISH - ORDERING OF SENTENCES - CLASS 2 ANURADHA MA'AM

7:00PM **MATHS - GEOMETRY - CLASS 3 NAVJYOTI SIR**



8:00AM

4:00PM

5:30PM





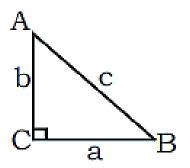






RELATION BETWEEN SIDES OF TRIANGLE

Right Angle Triangle



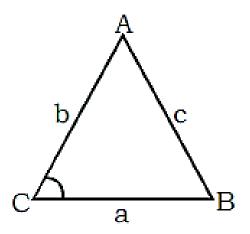
$$\mathbf{c}^2 = \mathbf{a}^2 + \mathbf{b}^2$$

Pythagoras Theorem



RELATION BETWEEN SIDES OF TRIANGLE

Acute Angle Triangle

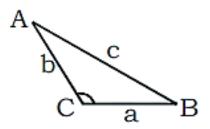


 \angle C = largest side c = largest $c^2 < a^2+b^2$



RELATION BETWEEN SIDES OF TRIANGLE

Obtuse Angle Triangle



 $\angle C = largest$ side c = largest $c^2 > a^2 + b^2$



QUESTION

sides of triangle : 11.7, 16.9, 23.4. which type of Δ it is?

11.7:
$$16.9$$
: 93.4 } Pythagoras theorem also works

11.7: 169 : 93.4 } for ratio of

11.7: 169 : 93.4

9: 13 : 18

(a) (b) (c)

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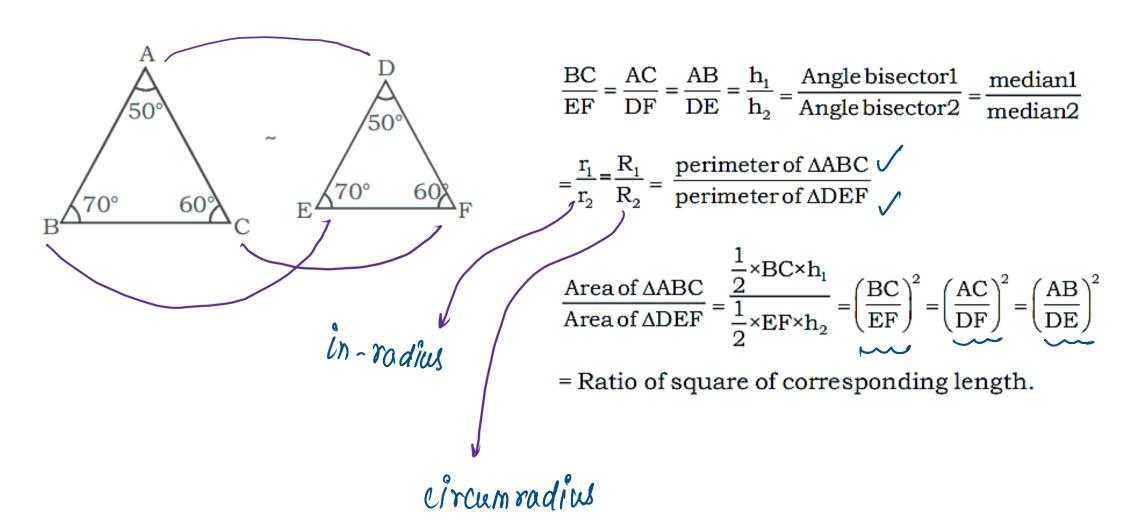
PYTHAGOREAN TRIPLETS

multiplication and division on these triplets will also result in triplets.

$$(5,12, 13) \xrightarrow{\times 2} (10, 24, 26) \sqrt{(3,4,5)} \rightarrow (6,8,10), (9,12,15), (12,16,20), (15,20,25)$$

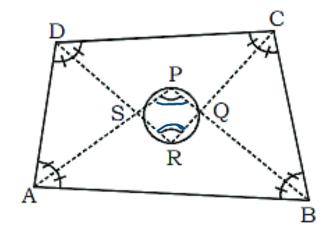


SIMILAR TRIANGLES





ANGLE BISECTOR OF QUADRILATERAL



$$\angle APB = \frac{\angle C + \angle D}{2}$$

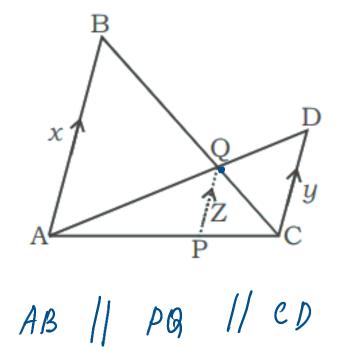
$$\angle DRC = \frac{\angle A + \angle B}{2}$$

$$\angle P + \angle R = 180^{\circ}$$

 $\angle S + \angle Q = 180^{\circ}$

 $\angle P + \angle R = 180^{\circ}$ } $\angle S + \angle Q = 180^{\circ}$ } $\angle PORS$ is a well-c quadrilateral.

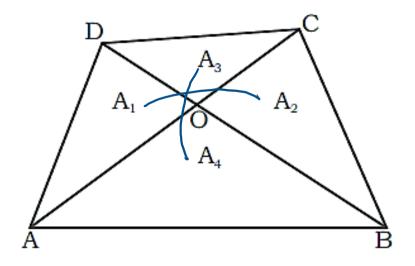




$$\frac{1}{x} + \frac{1}{y} = \frac{1}{z} \implies \begin{cases} \overline{z} = \frac{\chi_y}{1 + y} \\ \overline{z} = \frac{\chi_y}{1 + y} \end{cases}$$



TRAPEZIUM



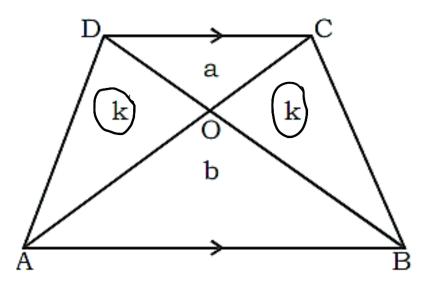
$$\mathbf{A}_1 \times \mathbf{A}_2 = \mathbf{A}_3 \times \mathbf{A}_4$$

$$\frac{A1}{A3} = \frac{A4}{A2}$$

product of areas of opposite triangles
formed by diagonals are equal.



TRAPEZIUM



 $Ar \triangle ADB = Ar \triangle ACB$

$$K \times K = a \times b$$

$$K \times K = a \times b$$



