**TEST - PAPER (CBSE/NCERT)** 

#### **TRIANGLES**

**SESSION -2024-25** 

CLASS - 10th

# JOIN TODAY FOR ADVANCE CONCEPTS ONLY IN ₹2000 PER MONTH

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6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

Time: 1 hr Triangles

mm; 50

- Q. 1. fill in the blanks: -
  - (1) All circles are .....
  - (ii) All Squares are ---
  - (iii) All .... frignyles are similar.
- (i) Two polygons of Same number of sides are. Similar if:
  - (9) Their Corresponding angles are ..... and.
  - (b) Their Corresponding sides are ----
- (v) All Congruent triangles are --- SES & College

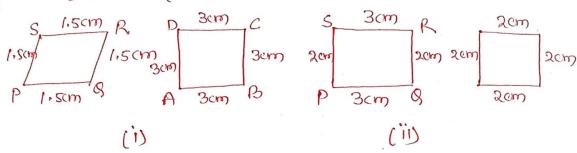


O. 2. True/ False Statements: -

- (i) In right angled triangle hypotanuse is the largest side.
- (ii) The Corresponding sides of two similar triangles are in proportion
- (ii) All squares are similar.
- (in) Area of similar triangles are always Equal.
- (1) Area of right angled triangle = 1 x base x height

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B. 3. State whether the following figures are similar or not.



1.4. Write the statement of Basic proportionality theorem.

theorem.

O. 5. prove that, if a line is drawn farallel to one.

Side of a triangle to intersect the other two

Sides in distinct point, then the other two sides

are divided in the same ratio.

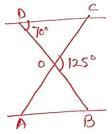
A = ABC at D and E respectively and is parallel to BC, then prove that AD = AE ABC



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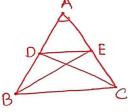
B. 7 in the given figure DODC ~ DOBA, LBOC = 125° and LCDO = 70°. Find LDOC, LDCO and LOAB.





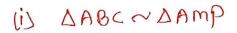
Q.8. In the given figure if DABE DACD, Show that DAED ~ DABC





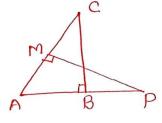
3.9. In the given figure ABC and Amp are two right triangles , right angled at B and M respectively.

Prove that :-



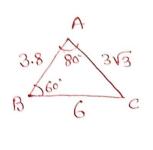
$$\frac{\text{Ca}}{\text{PA}} = \frac{\text{Bc}}{\text{Mp}}$$

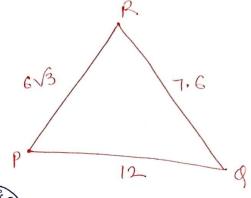




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Q.10 Observe the given figure and then find LP







## DPM CLASSES



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