MATH LOVE INSTITUTE

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Sample Question Paper - SET 1

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Class	X	Subject	Mathematics (041)
Chapter	6 - Triangles	Time Allowed	20 Minutes
Maximum Marks	9	Date	_____

GENERAL INSTRUCTIONS:

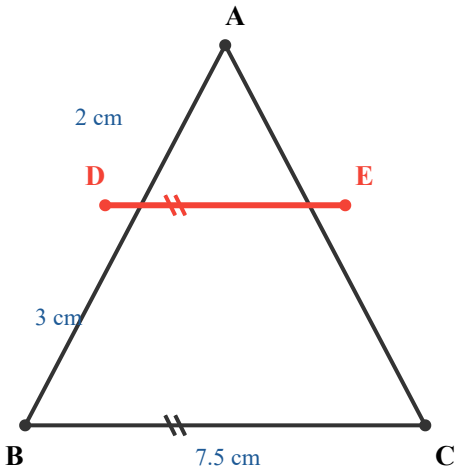
1. This question paper contains **3 questions** from Chapter 6 - Triangles.
2. All questions are compulsory.
3. Question 1 carries 2 marks.
4. Question 2 carries 3 marks.
5. Question 3 carries 4 marks.
6. Use of calculator is not permitted.
7. Draw neat and labeled diagrams wherever required.

HOW TO SUBMIT:

1. Solve this question paper in your notebook or on loose sheets.
2. Clearly write your **Name, CBSE Roll Number (if available), School Name, Place, and Date** on the first page.
3. Upload your solved paper at our website: **www.mathlove.in**
4. Receive your **detailed report card within 24 hours** via email.
5. For any queries or assistance, WhatsApp us at **+91-7869553517**

SECTION A - 2 MARKS QUESTION

Q1. In △ABC, DE ∥ BC. If AD = 2 cm, BD = 3 cm, and BC = 7.5 cm, find the length of DE. **[2]**



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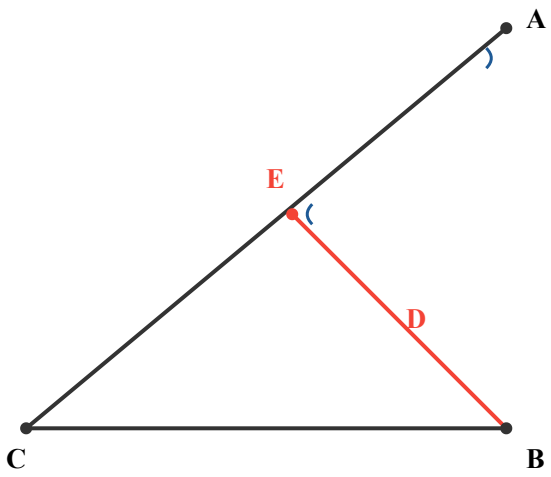
SECTION B - 3 MARKS QUESTION

Q2. △ABC ~ △DEF. If AB = 4 cm, DE = 6 cm, and area of △ABC = 20 cm², find the area of △DEF. **[3]**

SECTION C - 4 MARKS QUESTION

Q3. In the given figure, $\angle A = \angle CED$. Prove that $\triangle CAB \sim \triangle CED$. If CA = 12 cm, CE = 8 cm, and AB = 9 cm, find ED. **[4]**



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