

Class 10 Mathematics - Triangles

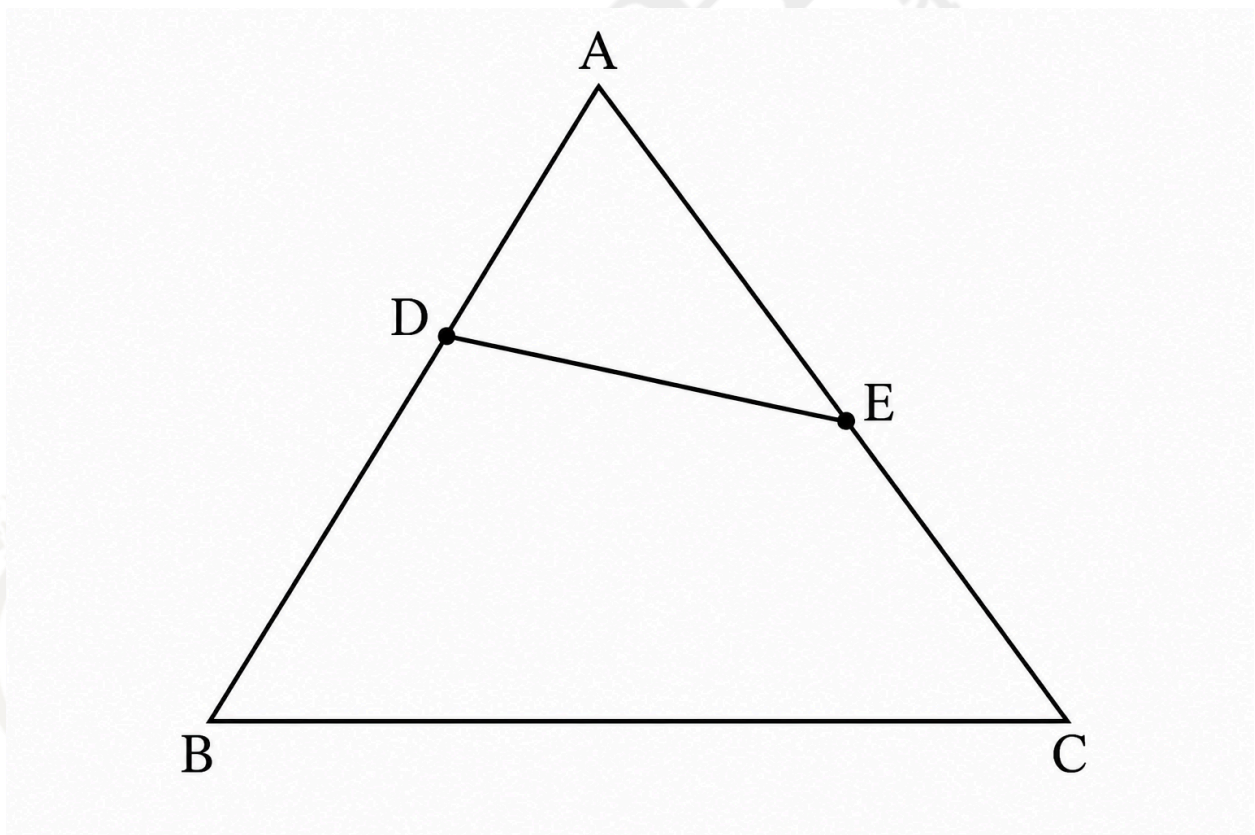
Name: _____

Date: _____

Medium Worksheet 2

Questions

For Questions 1 - 3, refer to the figure:



1. If $AD = 4$ cm, $DB = 8$ cm and $AE = 6$ cm, find EC.
2. State the Converse of the Basic Proportionality Theorem.

3. If $AD/DB = AE/EC$, then DE is parallel to which side?
4. In $\triangle ABC$, $AD = 5$ cm, $DB = 10$ cm and $AE = 4$ cm. Find EC.
5. If $AD = 3$ cm, $DB = 6$ cm and $EC = 8$ cm, find AE.
6. If $AD = 7$ cm, $DB = 14$ cm and $AE = 10$ cm, find AC.

Answer Key

1. 12 cm
2. If a line divides two sides of a triangle in the same ratio, then the line is parallel to the third side.
3. BC
4. 8 cm
5. 4 cm
6. 30 cm