

# Similar Triangles

Course: Grade 10 Mathematics

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**Congruent Triangles** have the same SHAPE and SIZE.

**Similar Triangles** have the same SHAPE.

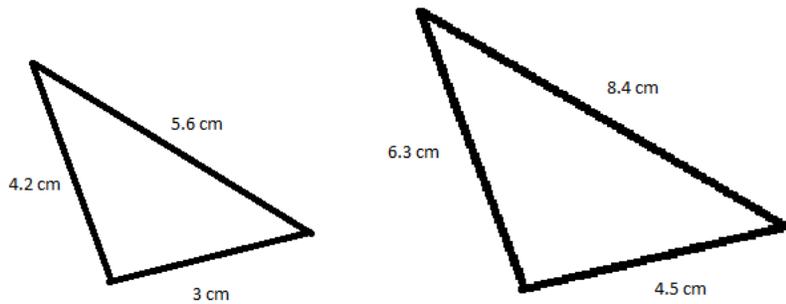
Two Triangles are Similar if they have the following properties:

AA~

SAS~

SSS~

Prove that the following two triangles are similar:



Prove that the following two triangles are similar given  $AE = 6$  m,  $AD = 9$  m, and  $BE = 4$  m. Then, find the length of  $CD$ .

