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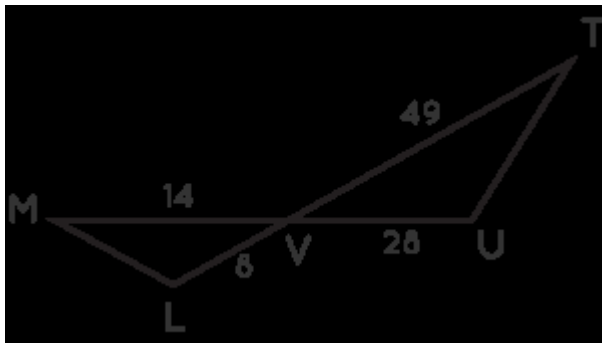
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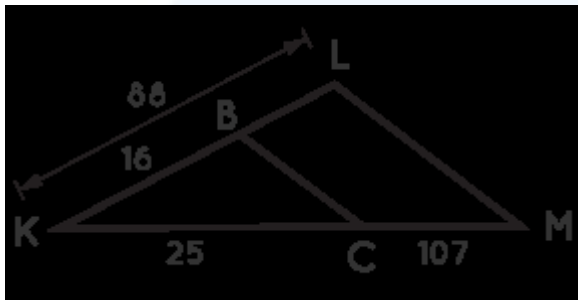
Similar Triangles Worksheets

Follow the instructions for questions 1-3. State if the triangles given are similar or not. If yes, state the similar triangle pair and the method of similarity.

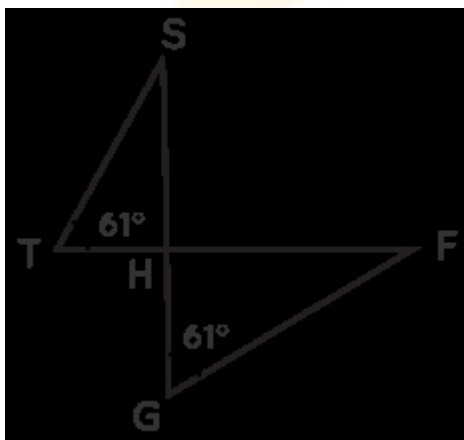
1.



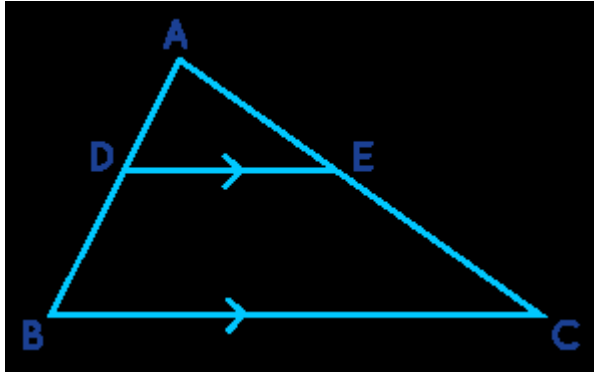
2.



3.

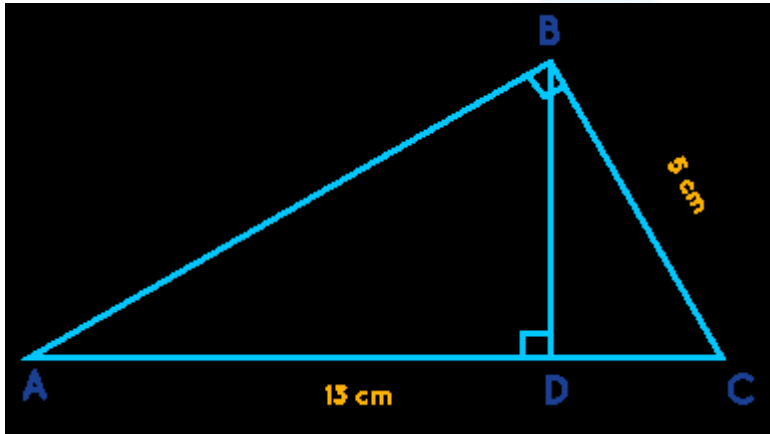


4.



Find the ratio of trapezium $ABEC$ to triangle ABC if $AB:DC = 3:2$ and DE is parallel to AC .

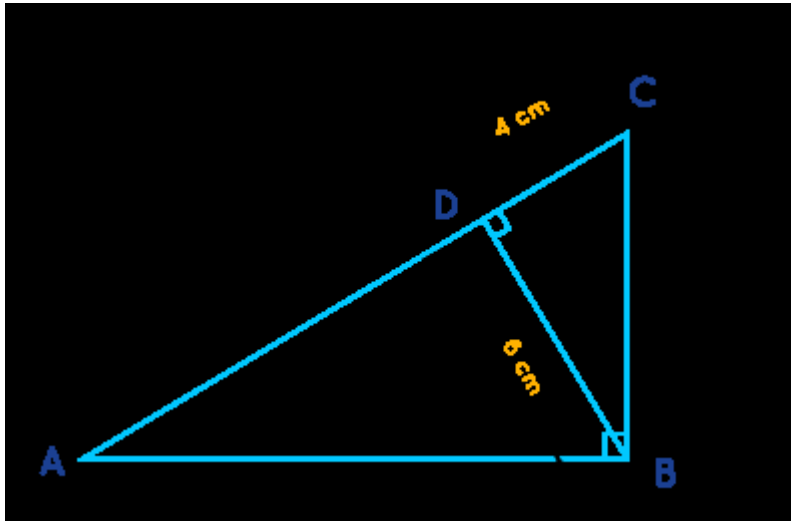
5.



Ratio of the areas of $\triangle ADB$ and $\triangle ABC$ is:

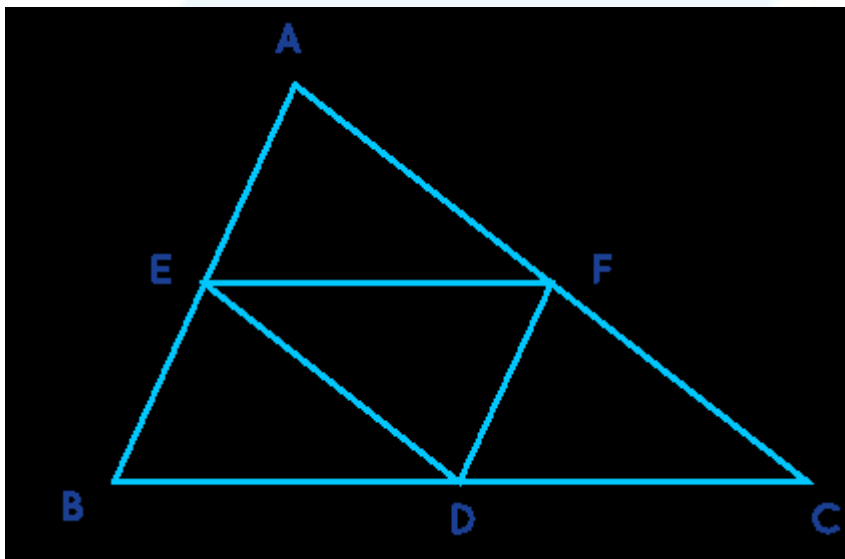
- a. 12:13
- b. 5:13
- c. 144:169
- d. 25:169
- e. None of these

6. Find the length of AD in the below figure



7. The areas of two similar triangles are 100 and 64 cm^2 respectively. If an altitude of the first triangle is 10 cm long, how long is the corresponding altitude of the second triangle?

8.



The value of $\triangle ABC : \triangle DEF$ is ___

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- Gary Schwartz

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- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1.	Similar $\triangle VUT \sim \triangle VLM$ SAS similarity
2.	Not similar
3.	Similar $\triangle HGF \sim \triangle HTS$ AA similarity
4.	21:25
5.	c. 144:169
6.	9cm
7.	8cm
8.	4