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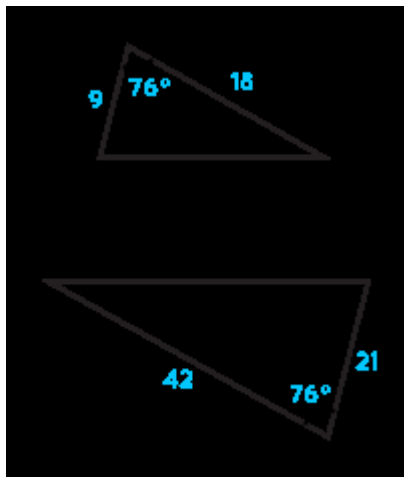
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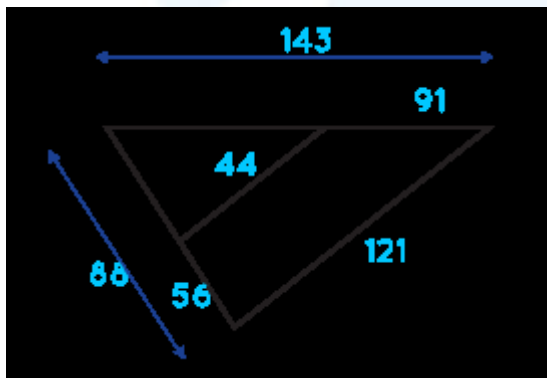
## Similar Triangles Worksheets

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.

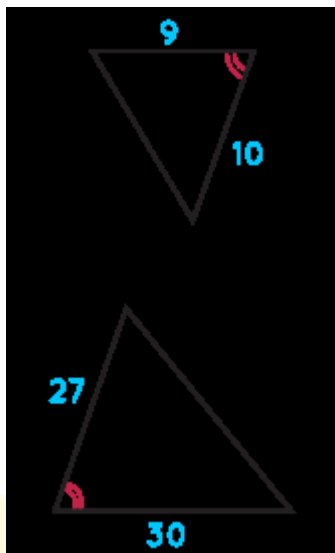
1.



2.

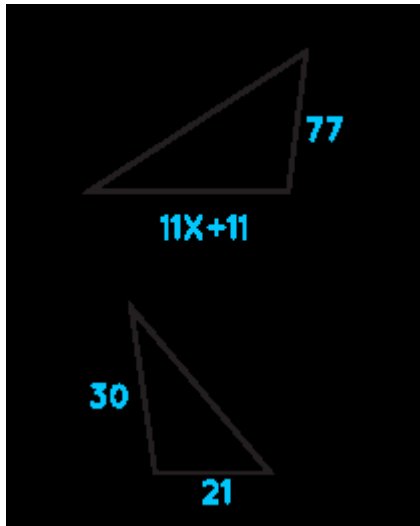


3.

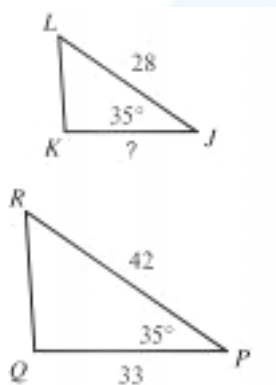


4. ABCD is a trapezium with  $AB \parallel CD$  and  $AB = 2CD$ . If the area of  $\triangle AOB$  is 100 cm square, the area of  $\triangle COD$  is \_\_\_ cm square.

5. Find  $x$  if the triangles below are similar



6. Find the missing length in the below diagram:



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- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- 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 $\triangle FGH \sim \triangle UVW$ SAS similarity
2.	Similar $\triangle FED \sim \triangle FRS$ SSS similarity
3.	Similar $\triangle TUV \sim \triangle CDE$ SAS similarity
4.	25
5.	9
6.	22