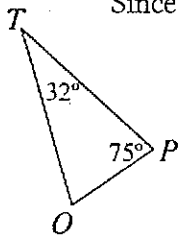
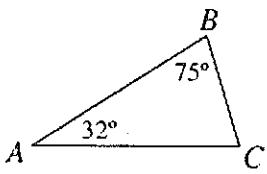


For each pair of triangles below, decide if the triangles are similar and make a flowchart justifying your answer.

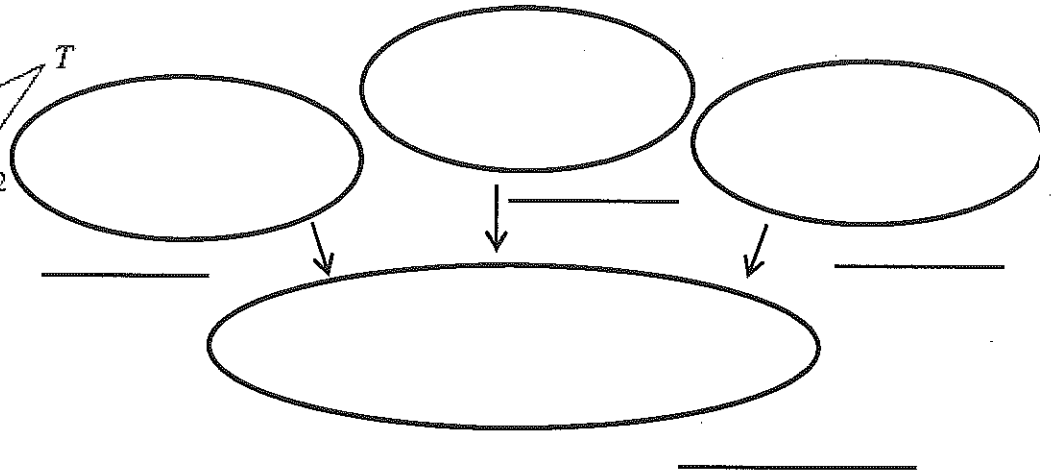
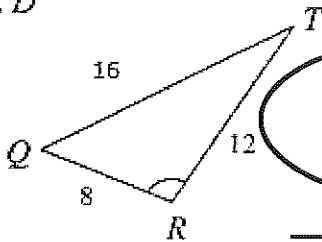
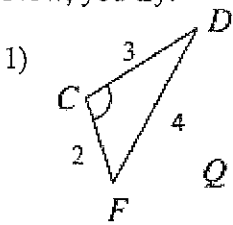
Example:



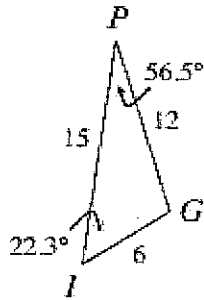
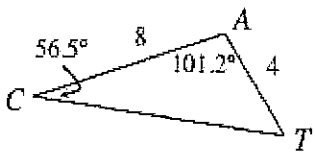
Since angle A ( $\angle A$ ) is congruent to angle T ( $\angle T$ ) AND angle B ( $\angle B$ ) is congruent to angle P ( $\angle P$ ) we can say the triangles are similar by angle-angle similarity ( $AA\sim$ )

The flow chart looks like:

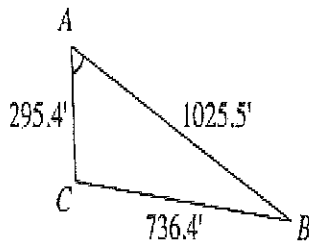
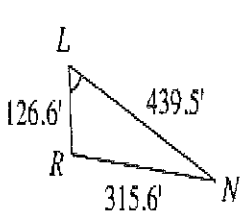
Now, you try:



2)

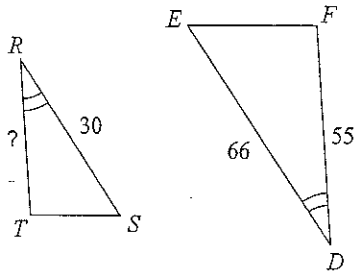


3)

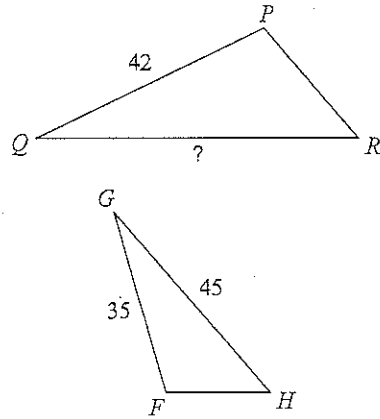


Find the missing length. The triangles in each pair are similar.

4)

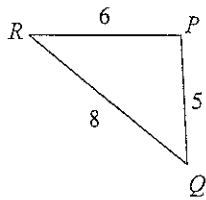
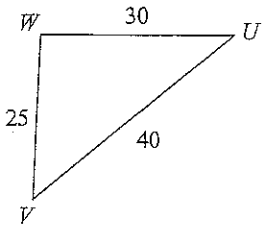


5)

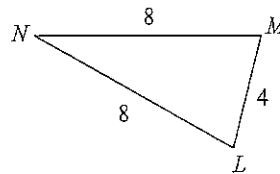
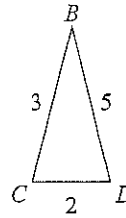


Make a flowchart that shows whether or not the triangles are similar.

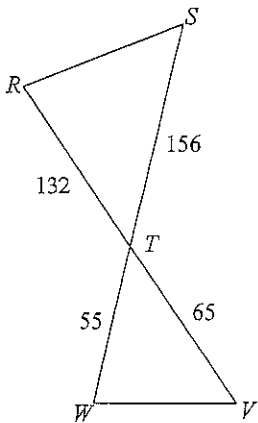
6)



7)



8)



9)

