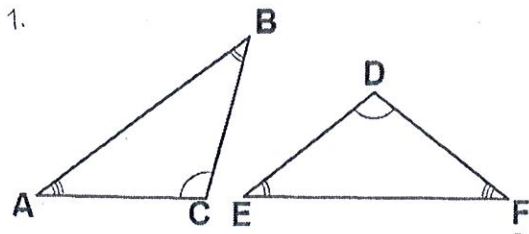


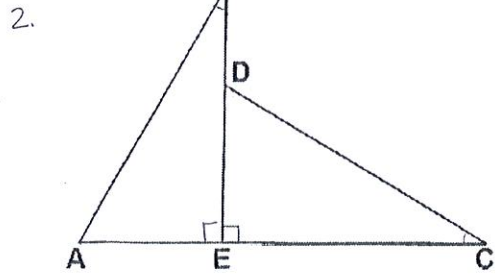
Geometry
Classwork/Homework – Triangle Similarity

Name: Key Date: _____

Write the congruence statement for the similar triangles below.

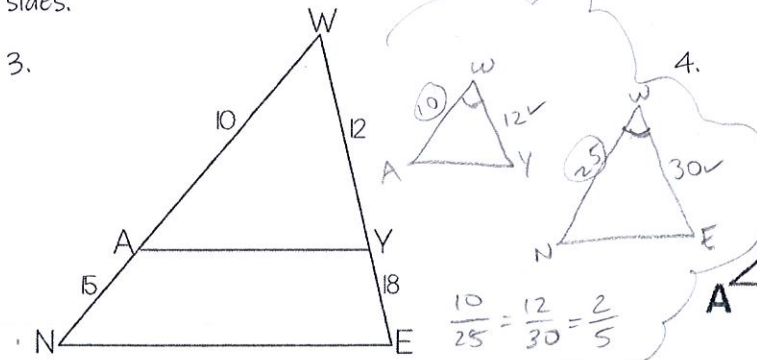


$\Delta CAB \sim \Delta DFE$

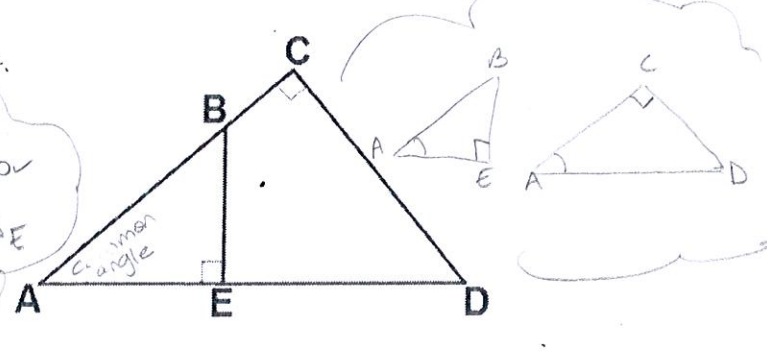


$\Delta ABE \sim \Delta DCE$

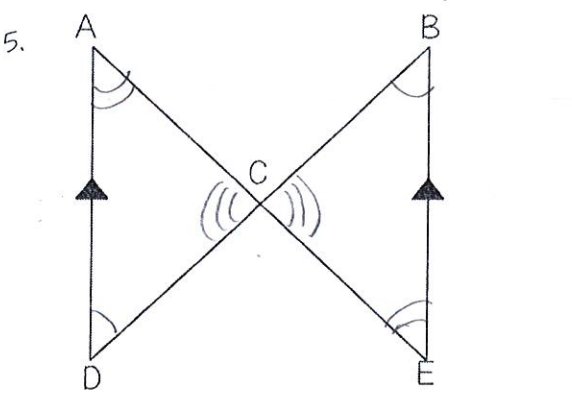
Determine if the two triangles are similar. If they are, state how and the similarity statement. Remember, you must mark any congruent angles you can add and you must show work for proportional sides.



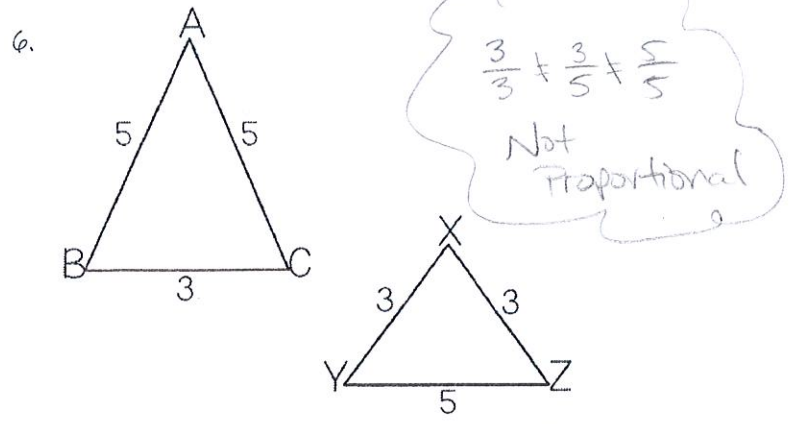
- A. Are these triangles similar? YES or NO
- B. If so, state how: SAS ~
- C. $\Delta WAY \sim \Delta WNE$



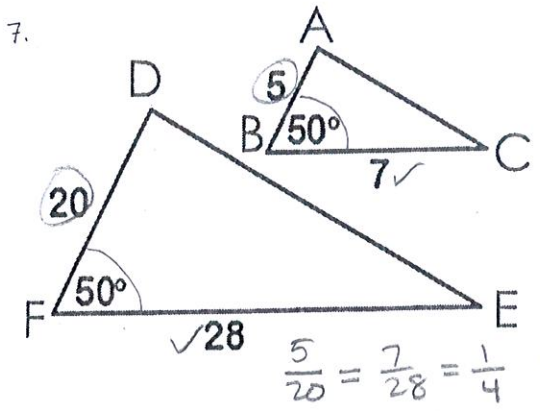
- A. Are these triangles similar? YES or NO
- B. If so, state how: AA ~
- C. $\Delta ABE \sim \Delta ADC$



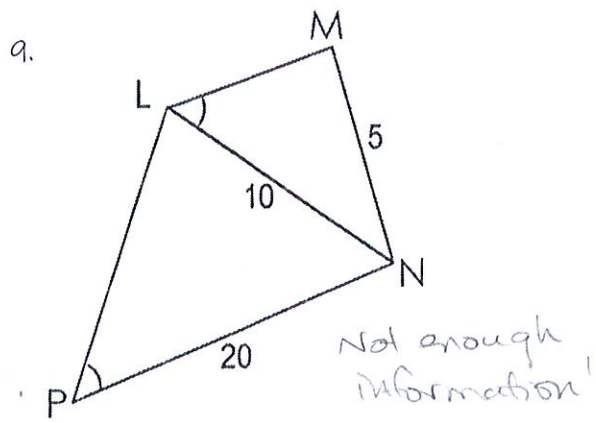
- A. Are these triangles similar? YES or NO
- B. If so, state how: AA ~
- C. $\Delta CBE \sim \Delta CDA$



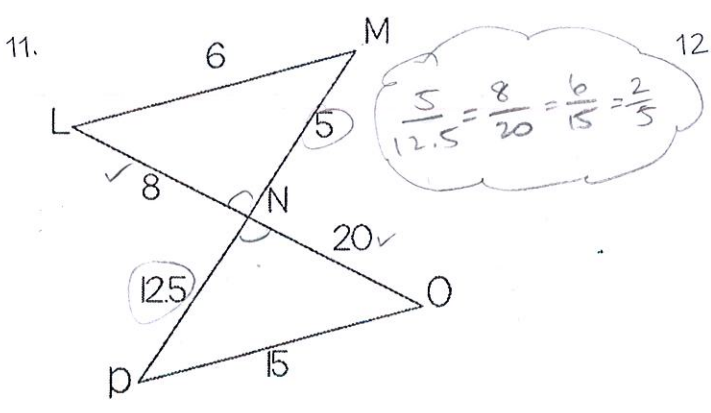
- A. Are these triangles similar? YES or NO
- B. If so, state how: _____
- C. $\Delta ABC \sim \Delta$ _____



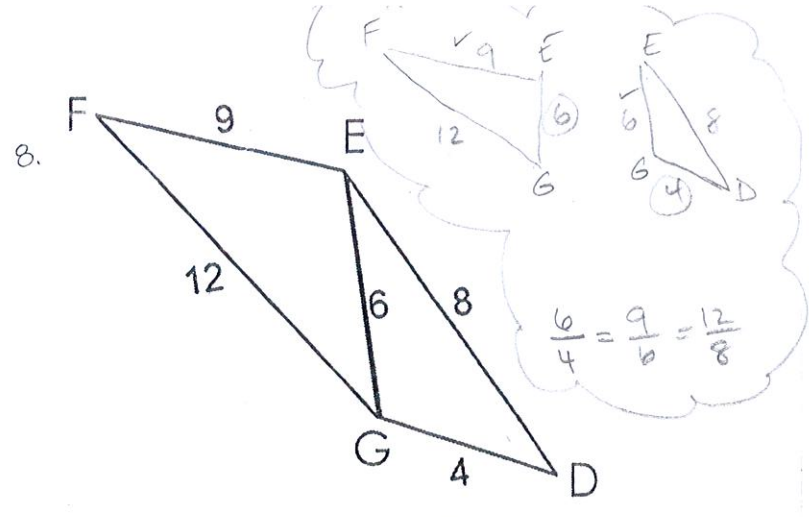
- A. Are these triangles similar? YES or NO
 B. If so, state how: SAS ~
 C. $\triangle EDF \sim \triangle CAB$



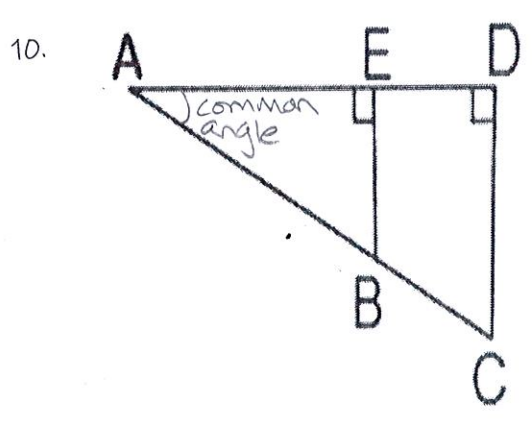
- A. Are these triangles similar? YES or NO
 B. If so, state how: _____
 C. $\triangle LNP \sim \triangle$ _____



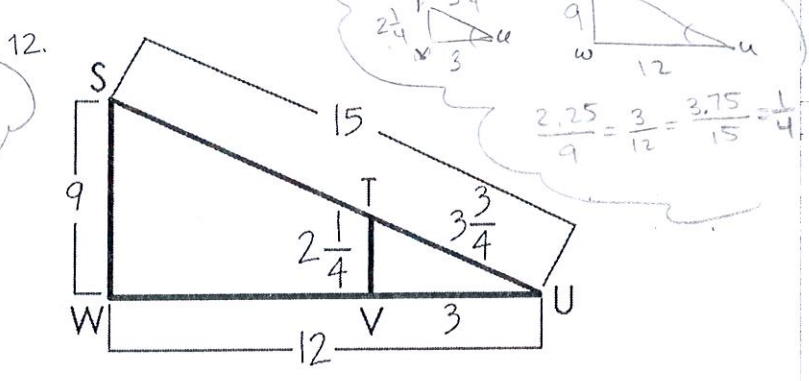
- A. Are these triangles similar? YES or NO
 B. If so, state how: SSS ~ and SAS ~
 C. $\triangle LMN \sim \triangle OPN$



- A. Are these triangles similar? YES or NO
 B. If so, state how: SSS ~
 C. $\triangle DGE \sim \triangle GEF$



- A. Are these triangles similar? YES or NO
 B. If so, state how: AA ~
 C. $\triangle ABE \sim \triangle ACD$



- A. Are these triangles similar? YES or NO
 B. If so, state how: SSS ~ or SAS ~
 C. $\triangle TUV \sim \triangle Suw$