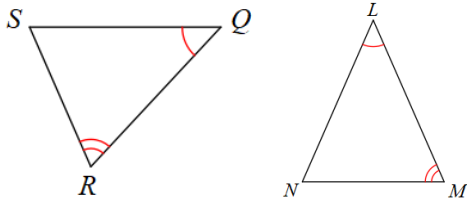


4.2 Similar Triangles

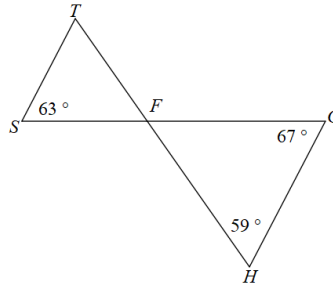
NAME: _____ HOUR: _____

Use the angle-angle test (AA) to determine if the pairs of triangles are similar. If they are similar, complete the similarity statement.

1. Similar? YES NO
 $\triangle QRS \sim \triangle$ _____

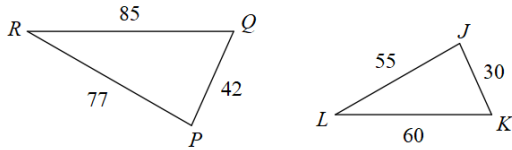


2. Similar? YES NO
 $\triangle FGH \sim \triangle$ _____

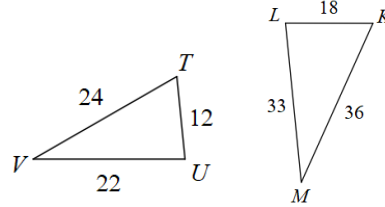


Use the side-side-side (SSS) test to determine if the pairs of triangles are similar. Show your work when you check the proportions. If they are similar, complete the similarity statement.

3. Similar? YES NO
 $\triangle PQR \sim \triangle$ _____

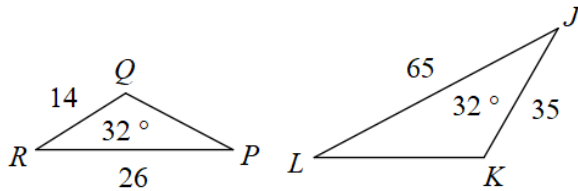


4. Similar? YES NO
 $\triangle TUV \sim \triangle$ _____

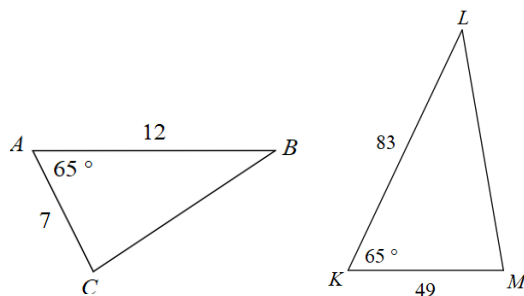


Use the side-angle-side (SAS) test to determine if the pairs of triangles are similar. Show your work when you check the proportions. If they are similar, complete the similarity statement.

5. Similar? YES NO
 $\triangle PQR \sim \triangle$ _____



6. Similar? YES NO
 $\triangle ABC \sim \triangle$ _____

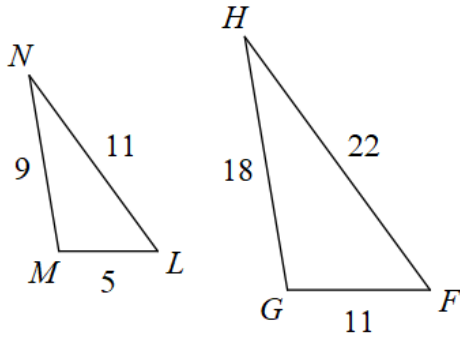


Use AA, SSS, or SAS to determine if each pair of triangles are similar. If they are similar, state the reason (test used) and complete the similarity statement. Remember to show your work.

7. Similar? YES NO

Reason _____

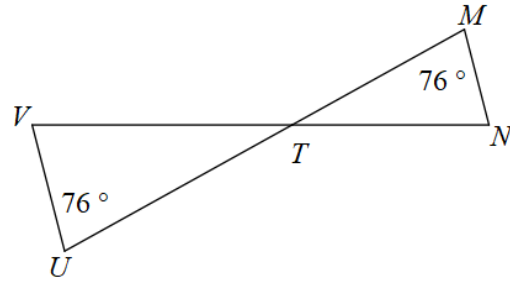
$\triangle FGH \sim \triangle$ _____



8. Similar? YES NO

Reason _____

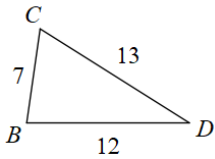
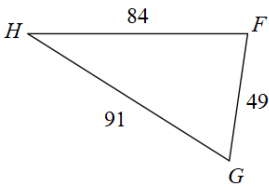
$\triangle TUV \sim \triangle$ _____



9. Similar? YES NO

Reason _____

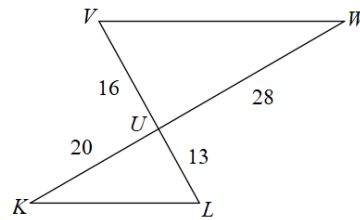
$\triangle FGH \sim \triangle$ _____



10. Similar? YES NO

Reason _____

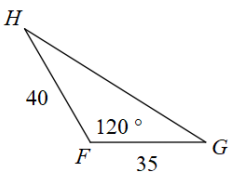
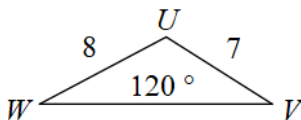
$\triangle UVW \sim \triangle$ _____



11. Similar? YES NO

Reason _____

$\triangle UVW \sim \triangle$ _____



12. Similar? YES NO

Reason _____

$\triangle QRS \sim \triangle$ _____

