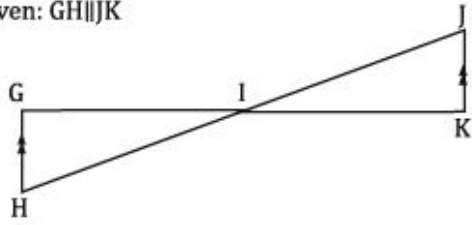


Geometry Unit 2 Topic 1
Homework #33

1)

Given: $\overline{GH} \parallel \overline{JK}$

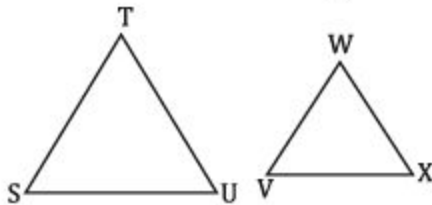


Prove: $\triangle GHI \sim \triangle KJI$

Statement	Reason

3)

Given: $\triangle STU$ & $\triangle VWX$ are equilateral triangles



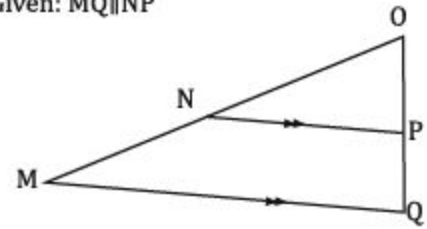
Prove: $\triangle STU \sim \triangle VWX$

Statement	Reason

Name: _____

2)

Given: $\overline{MQ} \parallel \overline{NP}$

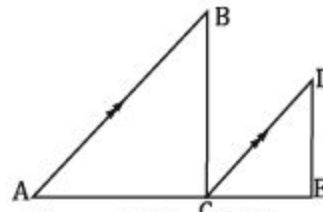


Prove: $\triangle QMO \sim \triangle PNO$

Statement	Reason

4)

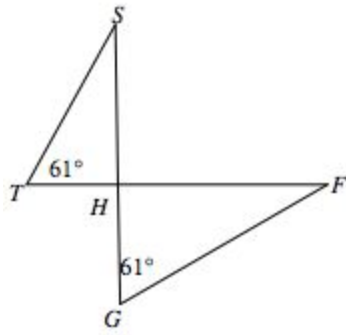
Given: $\frac{AB}{DC} = \frac{AC}{CE}$, $\overline{AB} \parallel \overline{CD}$



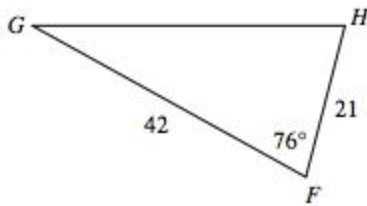
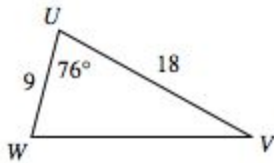
Prove: $\triangle ABC \sim \triangle CDE$

Statement	Reason

State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.



5) $\triangle HGF \sim$ _____



6) $\triangle FGH \sim$ _____