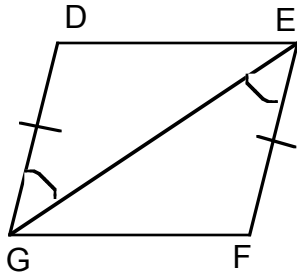


Geometry

Quiz

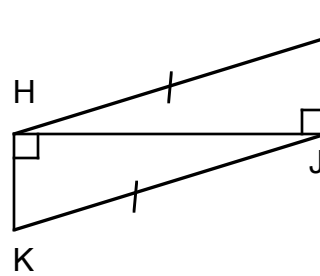
Name:

1. For each pair of triangles below write a congruence statement AND state the congruence postulate you are using.



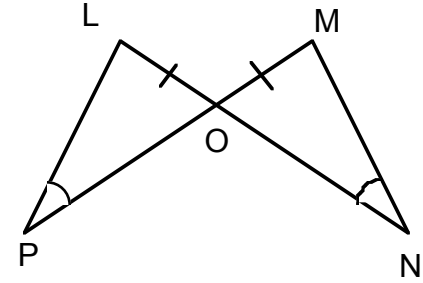
$\triangle DEG \cong \triangle$ _____

Reason:



$\triangle HIJ \cong \triangle$ _____

Reason:

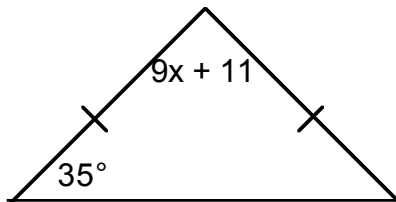


$\triangle LOP \cong \triangle$ _____

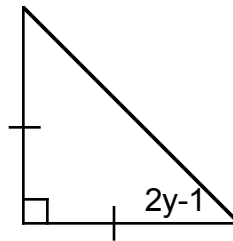
Reason:

2. Solve for the variables in the triangles below.

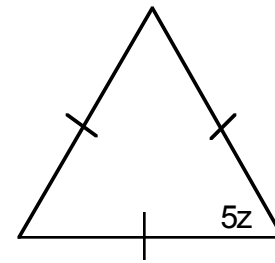
a)



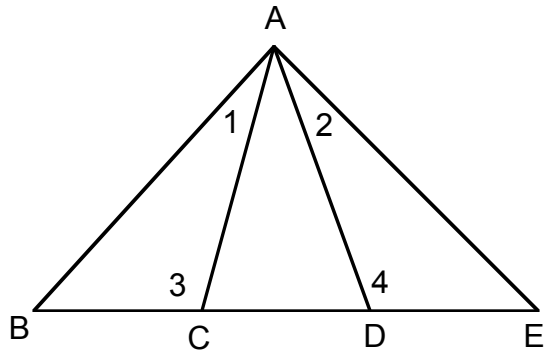
b)



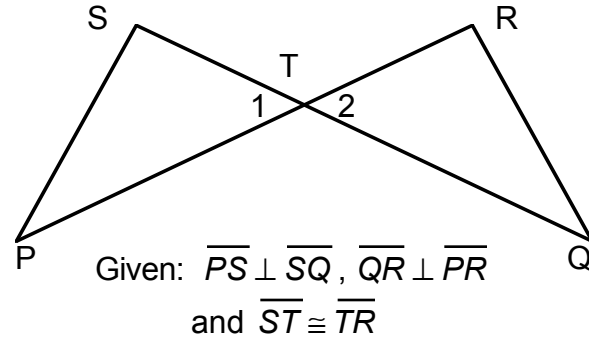
c)



3. Complete the two proofs below. **Write out theorems and definitions.**



Given: $\angle 1 \cong \angle 2$ and $\overline{AB} \cong \overline{AE}$
Prove: $\triangle ACD$ is isosceles



Given: $\overline{PS} \perp \overline{SQ}$, $\overline{QR} \perp \overline{PR}$
and $\overline{ST} \cong \overline{TR}$

Prove: $\angle P \cong \angle Q$
