

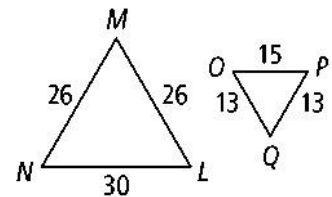
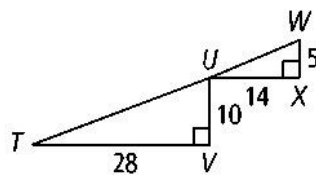
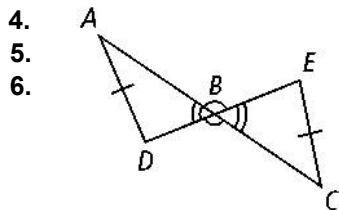
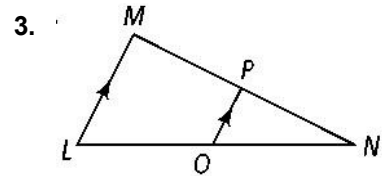
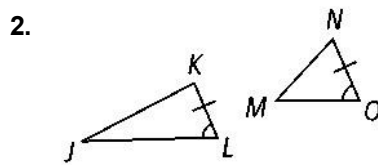
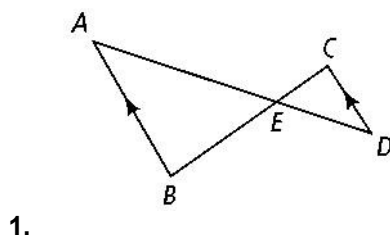
Practice

Form G

HW-34

Proving Triangles Similar

Determine whether the triangles are similar. If so, write a similarity statement and name the postulate or theorem you used. If not, explain.

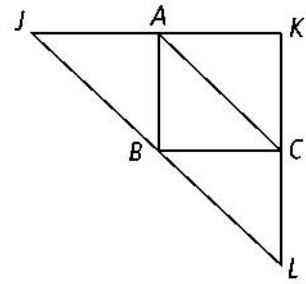
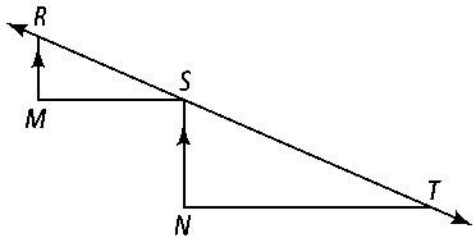


7. Given: $\overline{RM} \parallel \overline{SN}$, $RM \perp MS$,
 $SN \perp NT$

Prove: $\triangle RSM \sim \triangle STN$

8. Given: A bisects JK , C bisects
 KL , B bisects JL

Prove: $\triangle JKL \sim \triangle CBA$



9. A 1.4-m tall child is standing next to a flagpole. The child's shadow is 1.2 m long. At the same time, the shadow of the flagpole is 7.5 m long. How tall is the flagpole?