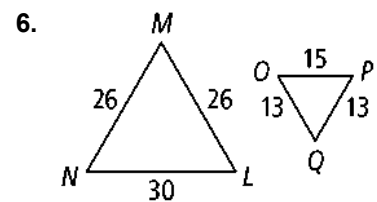
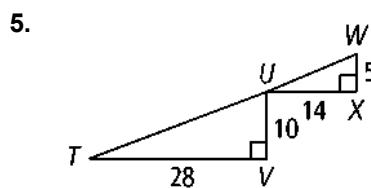
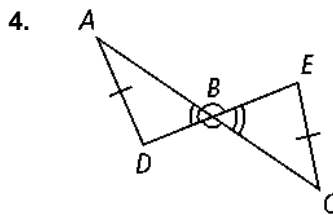
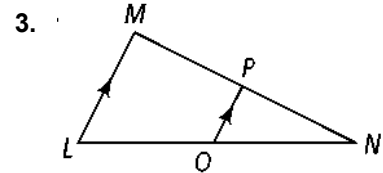
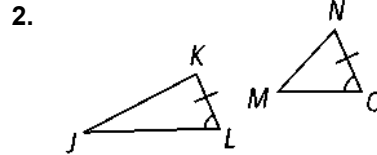
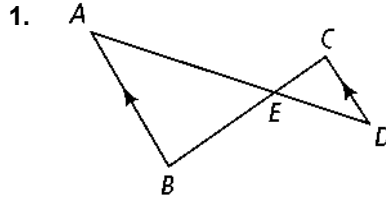


HW-30 Practice

Form G

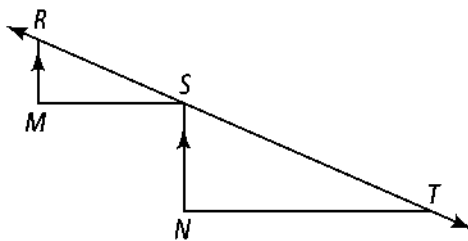
Proving Triangles Similar

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



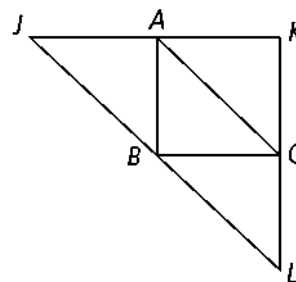
7. **Given:** $\overline{RM} \parallel \overline{SN}$, $\overline{RM} \perp \overline{MS}$,
 $\overline{SN} \perp \overline{NT}$

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



8. **Given:** A bisects \overline{JK} , C bisects \overline{KL} , B bisects \overline{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?