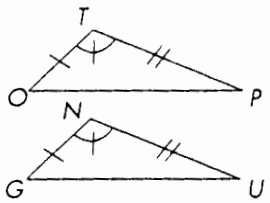
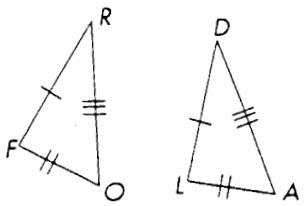
EXERCISE SET 9E

In each problem, use your triangle congruence shortcuts and the information given in the diagram to decide if the two triangles are congruent. If they are, complete the congruence statement and name the shortcut that you used to justify your conclusion. If the two triangles cannot be shown to be congruent based on the information given, write *cannot be determined*, and draw a figure using the given information showing noncongruent triangles.

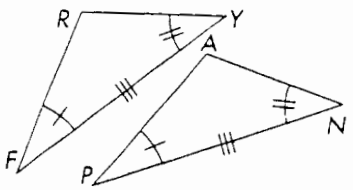
1. $\Delta TOP \cong \Delta$ ____



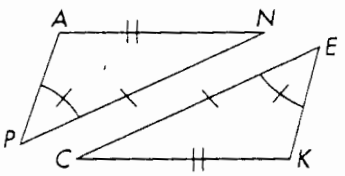
2. $\Delta FOR \cong \Delta$ ____



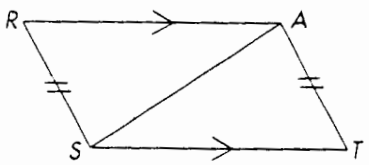
3. $\Delta FRY \cong \Delta$ ____



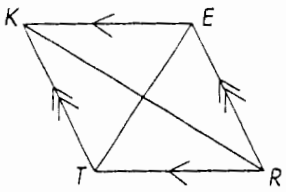
4. $\Delta PAN \cong \Delta$ ____



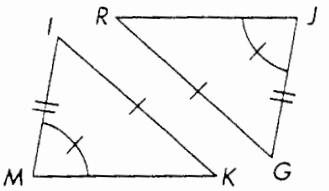
5. $\Delta SAT \cong \Delta$ ____



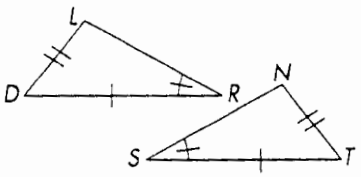
6. $\Delta TRE \cong \Delta$ ____



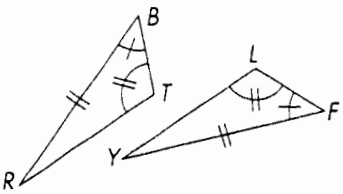
7. $\Delta MIK \cong \Delta$ ____



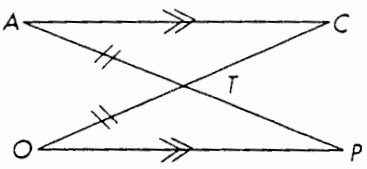
8. $\Delta RDL \cong \Delta$ ____



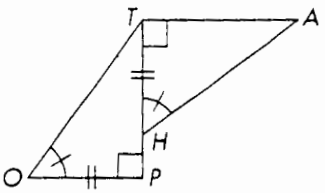
9. $\Delta BRT \cong \Delta$ ____



10. $\Delta CAT \cong \Delta$ ____



11. $\Delta HAT \cong \Delta$ ____



12. $\Delta TOX \cong \Delta$ ____