LESSON 4.3

NAME _____ DATE _____

Practice C

For use with pages 212–219

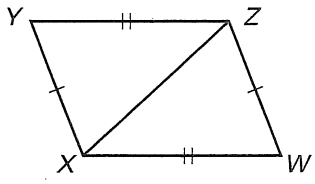
For each triangle, name the included angle between the pair of sides given.

1. $\triangle RIT$: $\overline{RT}$ and $\overline{TI}$

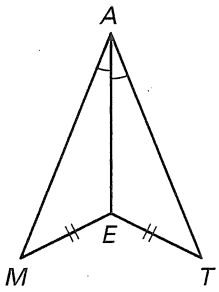
2. $\triangle WBF$: $\overline{WB}$ and $\overline{FB}$

Decide whether enough information is given to prove that the triangles are congruent. If there is enough information, state the congruence postulate you would use.

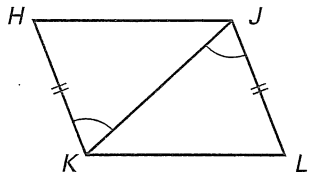
3. $\triangle XYZ$, $\triangle ZWX$



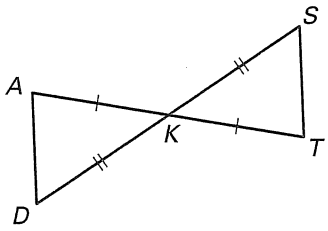
4. $\triangle MAE$, $\triangle TAE$



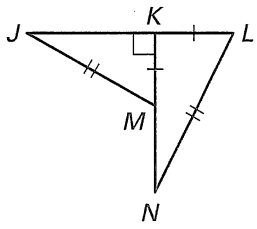
5. $\triangle KHJ$, $\triangle JLK$



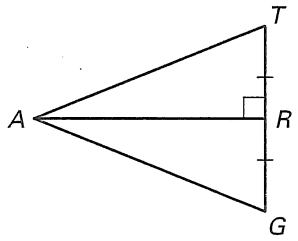
6. $\triangle DKA$, $\triangle TKS$



7. $\triangle JKM$, $\triangle NKL$



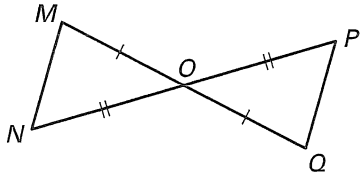
8. $\triangle TRA$, $\triangle ARG$



9. Write a two-column proof.

Given: O is the midpoint of $\overline{MQ}$.
O is the midpoint of $\overline{NP}$.

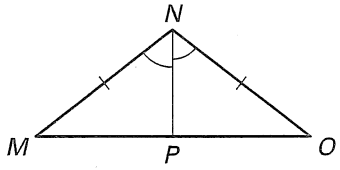
Prove: $\triangle MON \cong \triangle QOP$



10. Write a paragraph proof.

Given: $\overline{PN}$ bisects $\angle MNO$, $\overline{MN} \cong \overline{NO}$

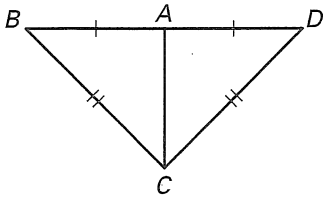
Prove: $\triangle MNP \cong \triangle ONP$



11. Write a paragraph proof.

Given: $\overline{AB} \cong \overline{AD}$, $\overline{BC} \cong \overline{CD}$

Prove: $\triangle ABC \cong \triangle ADC$



12. Write a two-column proof.

Given: $\overline{AD} \cong \overline{CB}$, $\overline{AD} \parallel \overline{CB}$

Prove: $\triangle ABC \cong \triangle CDA$