LESSON 4.3

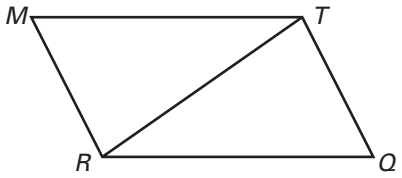
NAME _____ DATE _____

Practice A

For use with pages 212–219

Use the diagram. Name the included angle between the pair of sides given.

1. $\overline{MT}$ and $\overline{TR}$
2. $\overline{TQ}$ and $\overline{RT}$
3. $\overline{RT}$ and $\overline{MR}$
4. $\overline{TQ}$ and $\overline{RQ}$
5. $\overline{MR}$ and $\overline{TM}$
6. $\overline{RT}$ and $\overline{QR}$

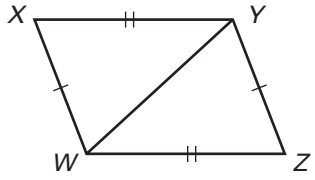


For each pair of congruent triangles, name the pairs of corresponding sides.

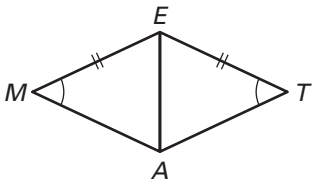
7. $\triangle ABC \cong \triangle TDF$
8. $\triangle DCT \cong \triangle FLG$
9. $\triangle PWR \cong \triangle ADE$

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.

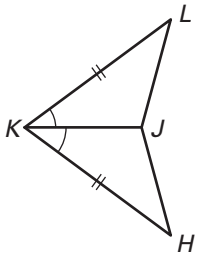
10. $\triangle XYW$, $\triangle ZWY$



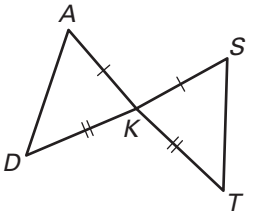
11. $\triangle MAE$, $\triangle TAE$



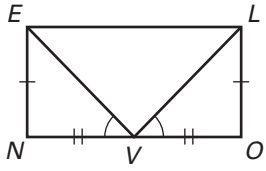
12. $\triangle KHJ$, $\triangle JLK$



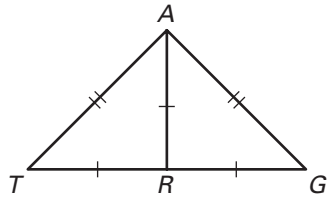
13. $\triangle DKA$, $\triangle TKS$



14. $\triangle ENV$, $\triangle LOV$



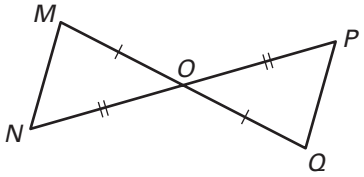
15. $\triangle TRA$, $\triangle ARG$



Complete the proof by supplying the reasons.

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

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



Statements	Reasons
1. O is the midpoint of $\overline{MQ}$.	1. ?
2. $\overline{MO} \cong \overline{QO}$	2. ?
3. O is the midpoint of $\overline{NP}$.	3. ?
4. $\overline{NO} \cong \overline{PO}$	4. ?
5. $\angle MON \cong \angle QOP$	5. ?
6. $\triangle MON \cong \triangle QOP$	6. ?

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