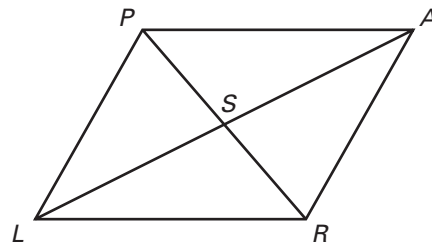


Practice B

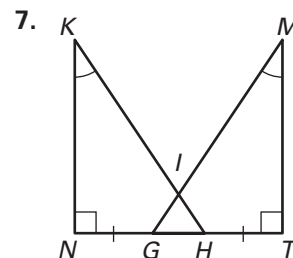
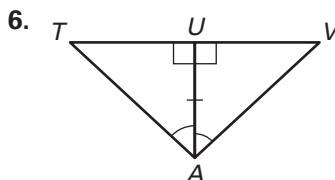
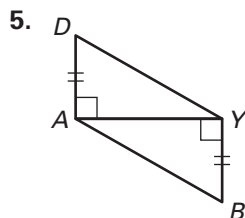
For use with pages 229–235

Use the diagram to answer the following.

1. What triangle appears to be congruent to $\triangle PAS$?
2. What triangle appears to be congruent to $\triangle PAR$?
3. If $\overline{PS} \cong \overline{RS}$ and $\overline{PL} \cong \overline{AR}$, what additional information would you need to prove $\triangle PSL \cong \triangle RSA$?
4. If $\angle LPA \cong \angle ARL$ and $\overline{PL} \cong \overline{AR}$, what additional information would you need to prove $\triangle LPA \cong \triangle ARL$?



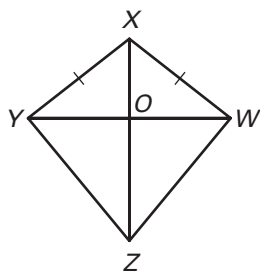
Use the marked diagram to state the method used to prove the triangles congruent. Name the additional corresponding parts that could then be concluded to be congruent.



Complete the proof by supplying the reasons.

8. Given: $\overline{YX} \cong \overline{WX}$
 \overline{ZX} bisects $\angle YXW$.

Prove: $\overline{YZ} \cong \overline{WZ}$

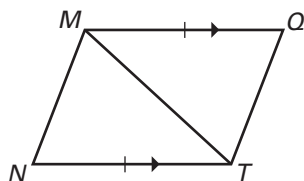


Statements	Reasons
1. $\overline{YX} \cong \overline{WX}$	1. ?
2. \overline{ZX} bisects $\angle YXW$.	2. ?
3. $\angle YXZ \cong \angle WXZ$	3. ?
4. $\overline{XZ} \cong \overline{XZ}$	4. ?
5. $\triangle YXZ \cong \triangle WXZ$	5. ?
6. $\overline{YZ} \cong \overline{WZ}$	6. ?

Write a two-column or a paragraph proof.

9. Given: $\overline{MQ} \cong \overline{NT}$
 $\overline{MQ} \parallel \overline{NT}$

Prove: $\overline{MN} \cong \overline{TQ}$



10. Given: O is the midpoint of \overline{NP} .
 $\angle N \cong \angle P$

Prove: O is the midpoint of \overline{SR} .

