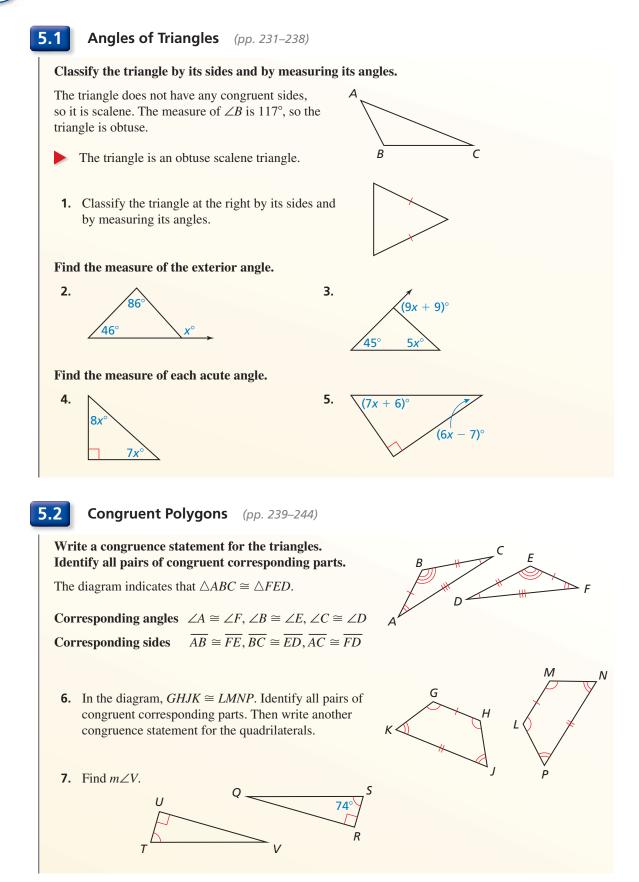
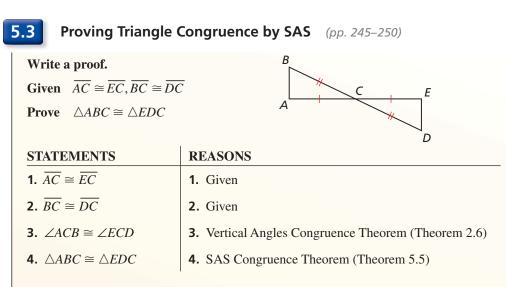
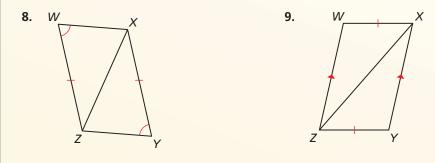
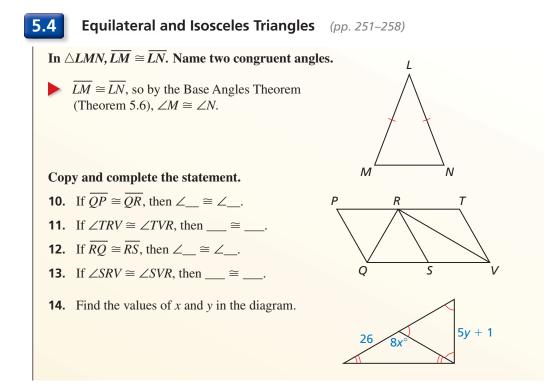
Chapter Review





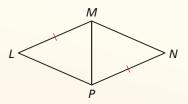
Decide whether enough information is given to prove that $\triangle WXZ \cong \triangle YZX$ using the SAS Congruence Theorem (Theorem 5.5). If so, write a proof. If not, explain why.



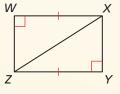


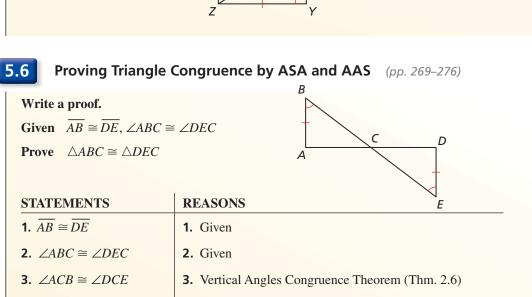
5.5 Proving Triangle Congruence by SSS (pp. 261–268) Write a proof. R **Given** $\overline{AD} \cong \overline{CB}, \overline{AB} \cong \overline{CD}$ **Prove** $\triangle ABD \cong \triangle CDB$ D **STATEMENTS** REASONS **1.** $\overline{AD} \cong \overline{CB}$ 1. Given **2.** $\overline{AB} \cong \overline{CD}$ 2. Given **3.** $\overline{BD} \cong \overline{DB}$ **3.** Reflexive Property of Congruence (Theorem 2.1) **4.** $\triangle ABD \cong \triangle CDB$ 4. SSS Congruence Theorem (Theorem 5.8)

15. Decide whether enough information is given to prove that $\triangle LMP \cong \triangle NPM$ using the SSS Congruence Theorem (Thm. 5.8). If so, write a proof. If not, explain why.



16. Decide whether enough information is given to prove that $\triangle WXZ \cong \triangle YZX$ using the HL Congruence Theorem (Thm. 5.9). If so, write a proof. If not, explain why.





4. AAS Congruence Theorem (Thm. 5.11)

4. $\triangle ABC \cong \triangle DEC$

