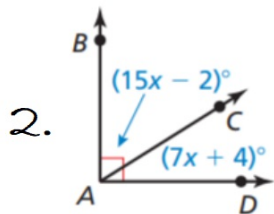
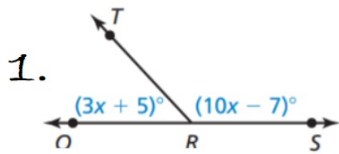


1.6 Homework



3. Two angles form a linear pair. The measure of one angle is twice the measure of the other angle.



4. The measure of an angle is nine times the measure of its complement.



5. The measure of an angle is 6° less than the measure of its complement.



6. The measure of an angle is 12° more than twice the measure of its complement.



CRITICAL THINKING In Exercises 36–41, tell whether the statement is *always*, *sometimes*, or *never* true. Explain your reasoning.

- 36. Complementary angles are adjacent.
- 37. Angles in a linear pair are supplements of each other.
- 38. Vertical angles are adjacent.
- 39. Vertical angles are supplements of each other.
- 40. If an angle is acute, then its complement is greater than its supplement.
- 41. If two complementary angles are congruent, then the measure of each angle is 45° .

