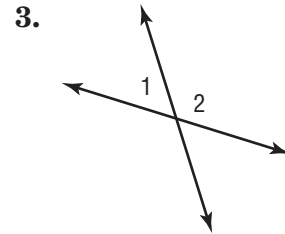
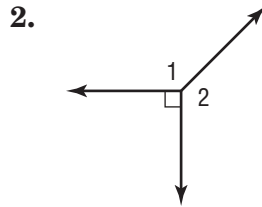
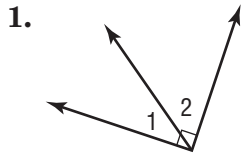


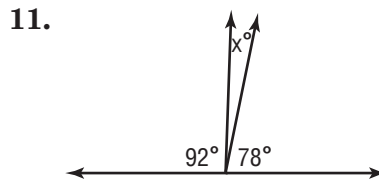
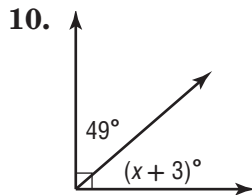
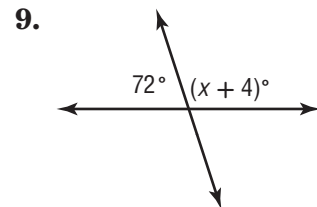
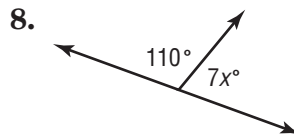
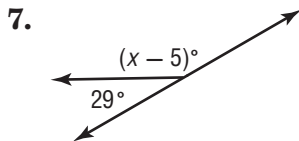
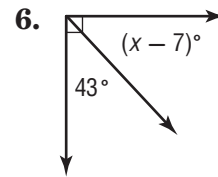
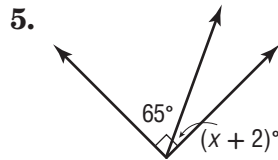
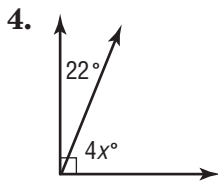
Geometry - Lesson 2 Homework Practice

Complementary and Supplementary Angles

Classify each pair of angles as *complementary*, *supplementary*, or *neither*.



ALGEBRA Find the value of x in each figure.

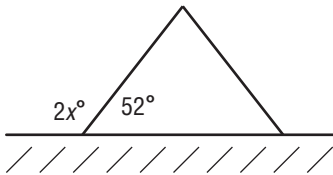


13. **ALGEBRA** If $\angle C$ and $\angle D$ are supplementary, and the measure of $\angle D$ is 45° , what is the measure of $\angle C$?

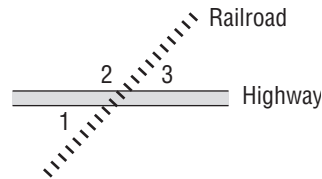
Geometry - Lesson 2 Problem-Solving Practice

Complementary and Supplementary Angles

- 1. PYRAMIDS** A side view of the Great Pyramid at Giza is shown below. The sides of the pyramid make an angle of 52° with respect to the ground. What is the value of x ?

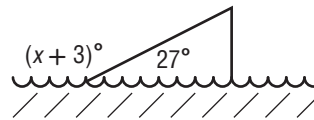


- 2. RAILROAD** A map shows a railroad crossing a highway, as shown below. Which of the numbered angles are supplementary angles?

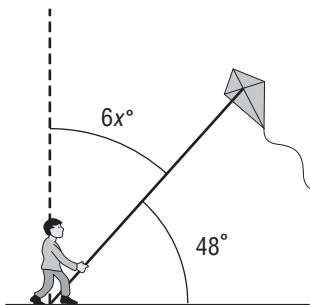


- 3. RAILROAD** Refer to the map shown in Exercise 2. If $m\angle 1$ is 64° , what is the measure of $\angle 2$?

- 4. SKIING** A ski jump makes an angle of 27° with respect to the water as shown below. How are the 27° angle and the unknown angle related? What is the value of x ?



- 5. KITES** A kite string makes an angle of 48° with respect to the ground as shown below. The dashed line is vertical and the ground is horizontal. How are the 48° angle and the unknown angle related? What is the value of x ?



- 6. GAMES** In a game of pick-up-sticks, the last 4 sticks are shown below. Which of the numbered angles are supplementary angles?

