

REVIEW: Using Angle Relationships

Name _____

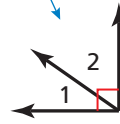
Key Concept and Vocabulary

- The measures of two complementary angles add to 90° .
- The measures of two supplementary angles add to 180° .

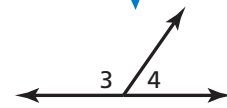


Visual Model

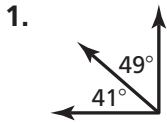
complementary



supplementary

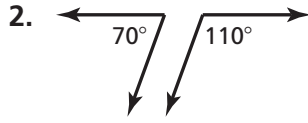


Skill Examples



$$41^\circ + 49^\circ = 90^\circ$$

complementary



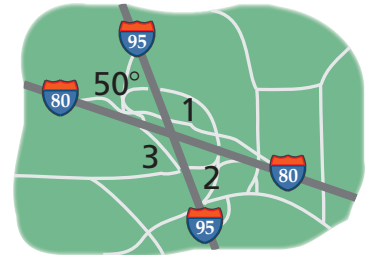
$$70^\circ + 110^\circ = 180^\circ$$

supplementary

Application Example

3. Find the measures of angles 1, 2, and 3.

• $\angle 1 = 130^\circ$
 $\angle 2 = 50^\circ$
 $\angle 3 = 130^\circ$

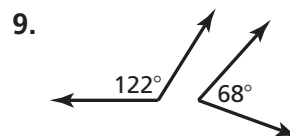
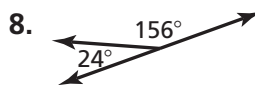
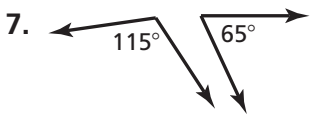
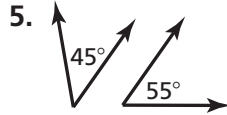
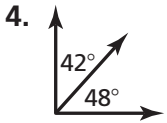


PRACTICE MAKES PURR-FECT®

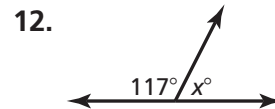
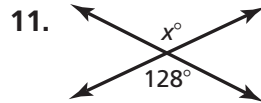
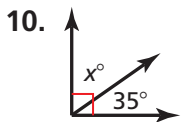


Check your answers at BigIdeasMath.com.

Decide whether the angles are *complementary*, *supplementary*, or *neither*.



Find the value of x .



13. **TRIBUTARY** A tributary joins a river at an angle of x° . Find the value of x . _____

