Angle Pairs
Use the diagram to give an example of each.

1. a pair of complementary angles

2. a pair of supplementary angles

3. an interior angle of the triangle

4. an exterior angle of the triangle

Find the degree measure of each angle.

5. \( \angle b \)

6. \( \angle c \)

7. \( \angle e \)

8. \( \angle h \)

9. \( \angle j \)

10. \( \angle k \)

Algebra • Equations For Problems 11 and 12, write and solve an equation to find each angle measure \( m \).

11. \( \angle L \) and \( \angle M \) are supplementary angles, and \( m\angle L = 120^\circ \). Find \( m\angle M \).

12. \( \angle S \) and \( \angle T \) are complementary angles, and \( m\angle S = 50^\circ \). Find \( m\angle T \).

Test Prep

13. \( \angle X \) and \( \angle Y \) are supplementary and \( m\angle X = 72^\circ \). What is \( m\angle Y \)?

   A 18°  C 108°

   B 72°  D 118°