Name: _____

Angle Relationships Review

Solve each problem.

1. Two angles are supplementary. One measures 3x° and the other measures (1x + 120)°. Find x.

   Answer: _____

2. Two vertical angles measure (2x + 35)° and 95°. Find x.

   Answer: _____

3. Two angles are complementary. They measure 4x° and (x + 25)°. Find x.

   Answer: _____

4. Two angles are supplementary. One measures 2x° and the other measures (3x + 30)°. Find x.

   Answer: _____

5. complement of 8° = _____

6. supplement of 63° = _____

7. supplement of 111° = _____

8. complement of 64° = _____

9. Two angles are supplementary. One measures 3x° and the other measures (4x + 12)°. Find x.

   Answer: _____

10. supplement of 9° = _____

11. Two angles are supplementary. One measures 4x° and the other measures (4x + 60)°. Find x.

    Answer: _____

12. Two angles are complementary. They measure 4x° and (x + 35)°. Find x.

    Answer: _____

Name: **ANSWER KEY**

Angle Relationships Review

Solve each problem.

1. Two angles are supplementary. One measures 3x° and the other measures (1x + 120)°. Find x.

Answer: x = 15

2. Two vertical angles measure (2x + 35)° and 95°. Find x.

Answer: x = 30

3. Two angles are complementary. They measure 4x° and (x + 25)°. Find x.

Answer: x = 13

4. Two angles are supplementary. One measures 2x° and the other measures (3x + 30)°. Find x.

Answer: x = 30

5. complement of 8° = 82°

6. supplement of 63° = 117°

7. supplement of 111° = 69°

8. complement of 64° = 26°

9. Two angles are supplementary. One measures 3x° and the other measures (4x + 12)°. Find x.

Answer: x = 24

10. supplement of 9° = 171°

11. Two angles are supplementary. One measures 4x° and the other measures (4x + 60)°. Find x.

Answer: x = 15

12. Two angles are complementary. They measure 4x° and (x + 35)°. Find x.

Answer: x = 11