

Angle Relationships Printable Worksheet

1. Two angles are complementary. One angle measures 38° . Find the other angle.
2. Two angles are supplementary. One angle measures 124° . Find the other angle.
3. Two supplementary angles are x and $2x$. Find both angle measures.
4. Two vertical angles are labeled $5x + 10$ and 80 . Find x .
5. Two angles form a linear pair. Their measures are $3x$ and $x + 40$. Find x .
6. Two adjacent angles form a straight line. One angle is 72° . Find the other angle.
7. Two parallel lines are cut by a transversal. A corresponding angle measures 68° . What is the matching corresponding angle?
8. Alternate interior angles are labeled $4x - 5$ and 75 . Find x .
9. Same-side interior angles are labeled $x + 30$ and $2x$. Find x .

Answer Key

1. 52°

2. 56°

3. 60° and 120°

4. $x = 14$

5. $x = 35$

6. 108°

7. 68°

8. $x = 20$

9. $x = 50$