

Name : _____

Complementary Angles

Sheet 1

A) Find the complement of each angle.

1) 63°

Complement of $63^\circ =$ _____

2) 38°

Complement of $38^\circ =$ _____

3) 87°

Complement of $87^\circ =$ _____

4) 71°

Complement of $71^\circ =$ _____

5) 9°

Complement of $9^\circ =$ _____

6) 50°

Complement of $50^\circ =$ _____

B) State whether the given pairs are complementary or not.

1) $36^\circ, 54^\circ$

2) $46^\circ, 45^\circ$

3) $79^\circ, 17^\circ$

4) $23^\circ, 67^\circ$

5) $5^\circ, 85^\circ$

6) $52^\circ, 30^\circ$

C) 1) If $\angle 1$ and $\angle 2$ are complementary angles, and $m\angle 1 = 74^\circ$; find $m\angle 2$.

2) If $\angle 5$ and $\angle 6$ are complementary angles, and $m\angle 6 = 6^\circ$; find $m\angle 5$.

3) If $\angle 8$ and $\angle 9$ are complementary angles, and $m\angle 9 = 11^\circ$; find $m\angle 8$.

Name : _____

Complementary Angles

A) Find the complement of each angle.

1) 63°

Complement of $63^\circ = \underline{27^\circ}$

2) 38°

Complement of $38^\circ = \underline{52^\circ}$

3) 87°

Complement of $87^\circ = \underline{3^\circ}$

4) 71°

Complement of $71^\circ = \underline{19^\circ}$

5) 9°

Complement of $9^\circ = \underline{81^\circ}$

6) 50°

Complement of $50^\circ = \underline{40^\circ}$

B) State whether the given pairs are complementary or not.

1) $36^\circ, 54^\circ$

complementary

2) $46^\circ, 45^\circ$

not complementary

3) $79^\circ, 17^\circ$

not complementary

4) $23^\circ, 67^\circ$

complementary

5) $5^\circ, 85^\circ$

complementary

6) $52^\circ, 30^\circ$

not complementaryC) 1) If $\angle 1$ and $\angle 2$ are complementary angles, and $m\angle 1 = 74^\circ$; find $m\angle 2$. 16° 2) If $\angle 5$ and $\angle 6$ are complementary angles, and $m\angle 6 = 6^\circ$; find $m\angle 5$. 84° 3) If $\angle 8$ and $\angle 9$ are complementary angles, and $m\angle 9 = 11^\circ$; find $m\angle 8$. 79°