

Name : \_\_\_\_\_

## Complementary Angles

Sheet 1

A) Find the complement of each angle.

1)  $63^\circ$

Complement of  $63^\circ =$  \_\_\_\_\_

2)  $38^\circ$

Complement of  $38^\circ =$  \_\_\_\_\_

3)  $87^\circ$

Complement of  $87^\circ =$  \_\_\_\_\_

4)  $71^\circ$

Complement of  $71^\circ =$  \_\_\_\_\_

5)  $9^\circ$

Complement of  $9^\circ =$  \_\_\_\_\_

6)  $50^\circ$

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)  $63^\circ$

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

2)  $38^\circ$

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

3)  $87^\circ$

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

4)  $71^\circ$

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

5)  $9^\circ$

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

6)  $50^\circ$

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 complementary

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

$16^\circ$

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

$84^\circ$

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

$79^\circ$