

Name : _____

Complementary Angles

A) Find the complement of each angle.

1) 10°

Complement of $10^\circ =$ _____

2) 55°

Complement of $55^\circ =$ _____

3) 33°

Complement of $33^\circ =$ _____

4) 41°

Complement of $41^\circ =$ _____

5) 86°

Complement of $86^\circ =$ _____

6) 22°

Complement of $22^\circ =$ _____

B) State whether the

1) $13^\circ, 77^\circ$

3) $42^\circ, 40^\circ$

5) $37^\circ, 53^\circ$

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C) 1) If $\angle 6$ and $\angle 7$ are complementary angles, find $m\angle 7$.

2) If $\angle 8$ and $\angle 9$ are complementary angles, and $m\angle 9 = 15^\circ$; find $m\angle 8$.

3) If $\angle 4$ and $\angle 5$ are complementary angles, and $m\angle 4 = 44^\circ$; find $m\angle 5$.

Name : _____

Complementary Angles

A) Find the complement of each angle.

1) 10°

Complement of $10^\circ = \underline{80^\circ}$

2) 55°

Complement of $55^\circ = \underline{35^\circ}$

3) 33°

Complement of $33^\circ = \underline{57^\circ}$

4) 41°

Complement of $41^\circ = \underline{49^\circ}$

5) 86°

Complement of $86^\circ = \underline{4^\circ}$

6) 22°

Complement of $22^\circ = \underline{68^\circ}$

B) State whether the angles are complementary or not.

1) $13^\circ, 77^\circ$

complementary

3) $42^\circ, 40^\circ$

not complementary

5) $37^\circ, 53^\circ$

complementary

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complementary

not complementary

complementary

C) 1) If $\angle 6$ and $\angle 7$ are complementary angles, and $m\angle 6 = 2^\circ$, find $m\angle 7$.

2°

2) If $\angle 8$ and $\angle 9$ are complementary angles, and $m\angle 9 = 15^\circ$; find $m\angle 8$.

75°

3) If $\angle 4$ and $\angle 5$ are complementary angles, and $m\angle 4 = 44^\circ$; find $m\angle 5$.

46°