

Name : _____

Complementary Angles

A) Find the complement of each angle.

1) 48°

Complement of $48^\circ =$ _____

2) 73°

Complement of $73^\circ =$ _____

3) 26°

Complement of $26^\circ =$ _____

4) 65°

Complement of $65^\circ =$ _____

5) 51°

Complement of $51^\circ =$ _____

6) 19°

Complement of $19^\circ =$ _____

B) State whether the

1) $89^\circ, 4^\circ$

3) $32^\circ, 58^\circ$

5) $66^\circ, 29^\circ$

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C) 1) If $\angle 3$ and $\angle 4$ are complementary angles, find $m\angle 3$.

2) If $\angle 7$ and $\angle 8$ are complementary angles, and $m\angle 8 = 61^\circ$; find $m\angle 7$.

3) If $\angle 1$ and $\angle 2$ are complementary angles, and $m\angle 1 = 37^\circ$; find $m\angle 2$.

Name : _____

Complementary Angles

A) Find the complement of each angle.

1) 48°

Complement of $48^\circ = \underline{42^\circ}$

2) 73°

Complement of $73^\circ = \underline{17^\circ}$

3) 26°

Complement of $26^\circ = \underline{64^\circ}$

4) 65°

Complement of $65^\circ = \underline{25^\circ}$

5) 51°

Complement of $51^\circ = \underline{39^\circ}$

6) 19°

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

B) State whether the angles are complementary or not.

1) $89^\circ, 4^\circ$

not complementary

3) $32^\circ, 58^\circ$

complementary

5) $66^\circ, 29^\circ$

not complementary

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C) 1) If $\angle 3$ and $\angle 4$ are complementary angles, and $m\angle 3 = 24^\circ$, find $m\angle 4$.

60°

2) If $\angle 7$ and $\angle 8$ are complementary angles, and $m\angle 8 = 61^\circ$; find $m\angle 7$.

29°

3) If $\angle 1$ and $\angle 2$ are complementary angles, and $m\angle 1 = 37^\circ$; find $m\angle 2$.

53°