

Name : _____

Supplementary Angles

Sheet 2

A) Find the supplement of each angle.

1) 2°

Supplement of $2^\circ =$ _____

2) 143°

Supplement of $143^\circ =$ _____

3) 106°

Supplement of $106^\circ =$ _____

4) 28°

Supplement of $28^\circ =$ _____

5) 71°

Supplement of $71^\circ =$ _____

6) 172°

Supplement of $172^\circ =$ _____

B) State whether the

1) $110^\circ, 95^\circ$

3) $47^\circ, 133^\circ$

5) $39^\circ, 121^\circ$

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C) 1) If $\angle 4$ and $\angle 5$ are supplementary, find $m\angle 5$.

2) If $\angle 7$ and $\angle 8$ are supplementary angles, and $m\angle 8 = 107^\circ$; find $m\angle 7$.

3) If $\angle 1$ and $\angle 2$ are supplementary angles, and $m\angle 1 = 151^\circ$; find $m\angle 2$.

Name : _____

Supplementary Angles

A) Find the supplement of each angle.

1) 2°

Supplement of $2^\circ = \underline{178^\circ}$

2) 143°

Supplement of $143^\circ = \underline{37^\circ}$

3) 106°

Supplement of $106^\circ = \underline{74^\circ}$

4) 28°

Supplement of $28^\circ = \underline{152^\circ}$

5) 71°

Supplement of $71^\circ = \underline{109^\circ}$

6) 172°

Supplement of $172^\circ = \underline{8^\circ}$

B) State whether the angles are supplementary or not.

1) $110^\circ, 95^\circ$

not supplementary

3) $47^\circ, 133^\circ$

supplementary

5) $39^\circ, 121^\circ$

not supplementary

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C) 1) If $\angle 4$ and $\angle 5$ are supplementary angles, and $m\angle 4 = 43^\circ$, find $m\angle 5$.

130°

2) If $\angle 7$ and $\angle 8$ are supplementary angles, and $m\angle 8 = 107^\circ$; find $m\angle 7$.

73°

3) If $\angle 1$ and $\angle 2$ are supplementary angles, and $m\angle 1 = 151^\circ$; find $m\angle 2$.

29°