

Name : _____

Supplementary Angles

Sheet 3

A) Find the supplement of each angle.

1) 74°

Supplement of $74^\circ =$ _____

2) 168°

Supplement of $168^\circ =$ _____

3) 120°

Supplement of $120^\circ =$ _____

4) 13°

Supplement of $13^\circ =$ _____

5) 117°

Supplement of $117^\circ =$ _____

6) 96°

Supplement of $96^\circ =$ _____

B) State whether the

1) $42^\circ, 138^\circ$

3) $104^\circ, 58^\circ$

5) $170^\circ, 20^\circ$

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

2) If $\angle 1$ and $\angle 2$ are supplementary angles, and $m\angle 1 = 32^\circ$; find $m\angle 2$.

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

Name : _____

Supplementary Angles

A) Find the supplement of each angle.

1) 74°

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

2) 168°

Supplement of $168^\circ = \underline{12^\circ}$

3) 120°

Supplement of $120^\circ = \underline{60^\circ}$

4) 13°

Supplement of $13^\circ = \underline{167^\circ}$

5) 117°

Supplement of $117^\circ = \underline{63^\circ}$

6) 96°

Supplement of $96^\circ = \underline{84^\circ}$

B) State whether the angles are supplementary or not.

1) $42^\circ, 138^\circ$

supplementary

3) $104^\circ, 58^\circ$

not supplementary

5) $170^\circ, 20^\circ$

not supplementary

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C) 1) If $\angle 6$ and $\angle 7$ are supplementary angles, and $m\angle 6 = 145^\circ$, find $m\angle 7$.

35°

2) If $\angle 1$ and $\angle 2$ are supplementary angles, and $m\angle 1 = 32^\circ$; find $m\angle 2$.

148°

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

176°