

Name : _____

Supplementary Angles

Sheet 1

A) Find the supplement of each angle.

1) 108°

Supplement of $108^\circ =$ _____

2) 36°

Supplement of $36^\circ =$ _____

3) 5°

Supplement of $5^\circ =$ _____

4) 161°

Supplement of $161^\circ =$ _____

5) 90°

Supplement of $90^\circ =$ _____

6) 57°

Supplement of $57^\circ =$ _____

B) State whether the given pairs are supplementary or not.

1) $24^\circ, 156^\circ$

2) $135^\circ, 102^\circ$

3) $99^\circ, 83^\circ$

4) $31^\circ, 149^\circ$

5) $112^\circ, 68^\circ$

6) $70^\circ, 100^\circ$

C) 1) If $\angle 2$ and $\angle 3$ are supplementary angles, and $m\angle 3 = 17^\circ$; find $m\angle 2$.

2) If $\angle 5$ and $\angle 6$ are supplementary angles, and $m\angle 5 = 124^\circ$; find $m\angle 6$.

3) If $\angle 8$ and $\angle 9$ are supplementary angles, and $m\angle 9 = 86^\circ$; find $m\angle 8$.
