Supplementary Angles

A) State whether the given pairs of angles are supplementary or not.

1) 127^0, 53^0

2) 90^0, 59^0

<u>   **supplementary**   </u>

<u>   **not supplementary**   </u>

3) 60^0, 82^0

4) 162^0, 18^0

<u>   **not supplementary**   </u>

<u>   **supplementary**   </u>

B) Write the supplement of each angle.

1) 170^0

2) 21^0

The supplement of 170^0 is **10^0** .

The supplement of 21^0 is **159^0** .

3) 115^0

4) 74^0

The supplement of 115^0 is **65^0** .

The supplement of 74^0 is **106^0** .

C) 1) $\angle 1$ and $\angle 2$ are a pair of supplementary angles. If m$\angle 1 = 129^0$, what is m$\angle 2$?

<u>   **51^0**   </u>

2) $\angle 3$ and $\angle 4$ are a pair of supplementary angles. What is the measure of $\angle 3$ if m$\angle 4 = 77^0$?

<u>   **103^0**   </u>