

Supplementary Angles

Answer Key

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

1) 145° , 35°

2) 67° , 75°

supplementary

not supplementary

3) 80° , 100°

4) 123° , 46°

supplementary

not supplementary

B) Write the supplement of each angle.

1) 161°

2) 73°

The supplement of 161° is 19° .

The supplement of 73° is 107° .

3) 130°

4) 82°

The supplement of 130° is 50° .

The supplement of 82° is 98° .

C) 1) $\angle 1$ and $\angle 2$ are a pair of supplementary angles. If $m\angle 1 = 156^\circ$, what is $m\angle 2$?

24°

2) $\angle 3$ and $\angle 4$ are a pair of supplementary angles. What is the measure of $\angle 3$ if $m\angle 4 = 37^\circ$?

143°