

Supplementary Angles

Answer Key

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

1) 111° , 22°

2) 137° , 43°

not supplementary

supplementary

3) 104° , 76°

4) 84° , 68°

supplementary

not supplementary

B) Write the supplement of each angle.

1) 54°

2) 97°

The supplement of 54° is 126° .

The supplement of 97° is 83° .

3) 62°

4) 120°

The supplement of 62° is 118° .

The supplement of 120° is 60° .

C) 1) $\angle 1$ and $\angle 2$ are a pair of supplementary angles. What is the measure of $\angle 2$ if $m\angle 1 = 41^\circ$?

139°

2) $\angle 3$ and $\angle 4$ are a pair of supplementary angles. If $m\angle 3 = 148^\circ$, what is $m\angle 4$?

32°