

# Complementary Angles

Answer Key

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

1)  $31^\circ$ ,  $49^\circ$

2)  $12^\circ$ ,  $78^\circ$

not complementary

complementary

3)  $64^\circ$ ,  $26^\circ$

4)  $42^\circ$ ,  $53^\circ$

complementary

not complementary

B) Write the complement of each angle.

1)  $41^\circ$

2)  $37^\circ$

The complement of  $41^\circ$  is  $49^\circ$ .      The complement of  $37^\circ$  is  $53^\circ$ .

3)  $75^\circ$

4)  $24^\circ$

The complement of  $75^\circ$  is  $15^\circ$ .      The complement of  $24^\circ$  is  $66^\circ$ .

C) 1)  $\angle 1$  and  $\angle 2$  are a pair of complementary angles. What is the measure of  $\angle 2$  if  $m\angle 1 = 17^\circ$ ?

$73^\circ$

2)  $\angle 3$  and  $\angle 4$  are a pair of complementary angles. If  $m\angle 4 = 55^\circ$ , what is  $m\angle 3$ ?

$35^\circ$