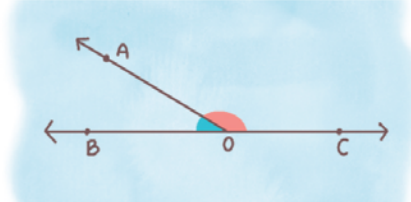


Name :

Class :



## SUPPLEMENTARY ANGLES



Two angles are called supplementary when their sum adds up to 180 degrees.  
Mathematically:  $\angle BOA + \angle AOC = 180^\circ$

### A) Find the supplement of each angle

1)  $35^\circ$

Supplement of  $35^\circ =$  \_\_\_\_\_

3)  $63^\circ$

Supplement of  $63^\circ =$  \_\_\_\_\_

5)  $15^\circ$

Supplement of  $15^\circ =$  \_\_\_\_\_

2)  $20^\circ$

Supplement of  $20^\circ =$  \_\_\_\_\_

4)  $38^\circ$

Supplement of  $38^\circ =$  \_\_\_\_\_

6)  $40^\circ$

Supplement of  $40^\circ =$  \_\_\_\_\_

### B) State whether the given pairs are complementary or not

1)  $75^\circ, 105^\circ$

3)  $80^\circ, 28^\circ$

5)  $70^\circ, 120^\circ$

2)  $76^\circ, 24^\circ$

4)  $118^\circ, 62^\circ$

6)  $110^\circ, 70^\circ$

### C) Find the other angle

1) If 1 and 2 are Supplementary angles, and  $m\angle 1 = 74^\circ$ ; find  $m\angle 2$ .

$m\angle 2 =$  \_\_\_\_\_

2) If 5 and 7 are Supplementary angles, and  $m\angle 5 = 20^\circ$ ; find  $m\angle 7$ .

$m\angle 7 =$  \_\_\_\_\_

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

$m\angle 9 =$  \_\_\_\_\_