



# ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution

ANSWER SHEET - 16

CLASS -VI

SUBJECT -ALGEB & GEOM CHAPTER 17 - ANGLES & THEIR PROPERTIES  
TOPIC - COMPLEMENTARY & SUPPLEMENTARY ANGLES

F.M - 15  
Date -01.05.20

I. Multiple choice questions : (Select the correct option) (15)

1. If the sum of two angles is  $180^\circ$ , the angles are called \_\_\_\_\_ angles.

a) complementary    b) vertical    **c) supplementary**    d) none of these .

2. If the sum of two angles is  $90^\circ$ , the angles are called \_\_\_\_\_ angles.

**a) complementary**    b) vertical    c) supplementary    d) none of these .

3.  $60^\circ$  is the \_\_\_\_\_ of  $30^\circ$  and vice versa.

a) adjacent    **b) complement**    c) supplement    d) none of these .

4.  $120^\circ$  is the \_\_\_\_\_ of  $60^\circ$  and vice versa.

a) adjacent    b) complement    **c) supplement**    d) none of these .

**Find the complement of the following angles : ( No 5 - No 7 )**

5.  $45^\circ$

a)  $18^\circ$     b)  $90^\circ$     **c)  $45^\circ$**     d) none of these .

6.  $20^\circ$

a)  $60^\circ$     **b)  $70^\circ$**     c)  $40^\circ$     d) none of these .

7.  $36^\circ$

a)  $10^\circ$     **b)  $54^\circ$**     c)  $50^\circ$     d) none of these.

**Find the supplement of the following angles : ( No 8 - No 10 )**

8.  $120^\circ$

a)  $180^\circ$     b)  $90^\circ$     **c)  $60^\circ$**     d) none of these .

9.  $100^\circ$

a)  $160^\circ$     **b)  $80^\circ$**     c)  $140^\circ$     d) none of these .

10.  $171^\circ$

a)  $10^\circ$     b)  $54^\circ$     **c)  $9^\circ$**     d) none of these.

**Find the angles in each case : ( No 11 – No 12 )**

11. The angles are supplementary and the larger is thrice the size of the smaller.

a)  $15^\circ$  and  $165^\circ$     b)  $80^\circ$  and  $100^\circ$     **c)  $45^\circ$  and  $135^\circ$**     d) none of these.

12. The angles are complementary and the larger is  $30^\circ$  more than the smaller.

**a)  $30^\circ$  and  $60^\circ$**     b)  $45^\circ$  and  $45^\circ$     c)  $50^\circ$  and  $40^\circ$     d) none of these.

13. Find the measure of an angle which is  $20^\circ$  less than its complement.

a)  $15^\circ$     **b)  $35^\circ$**     c)  $45^\circ$     d) none of these.

14. Find the measure of the angle which is 4 times its complement.

a)  $56^\circ$     b)  $29^\circ$     **c)  $72^\circ$**     d) none of these.

15. Find the angles when two angles are supplementary and the larger is  $58^\circ$  more than the smaller.

**a)  $61^\circ$  and  $119^\circ$**     b)  $45^\circ$  and  $135^\circ$     c)  $50^\circ$  and  $35^\circ$     d) none of these

By – U. James Riju.