

ATOMIC ENERGY CENTRAL SCHOOL

CLASS- 7

Subject- MATHEMATICS

WORK SHEET AND ANSWER- 1, Module-  $\frac{1}{3}$

Chapter- 5, LINES AND ANGLES

1.Fill in the blanks:-

- (a) The sum of two complementary angles is ----- .
- (b) The sum of two supplementary angles is ----- .
- (c) The angle which is equal to its complement is ----- .
- (d) The angle which is equal to half of its supplement is -----.
- (e) The angle whose measure is  $90^0$  is called ----- angle.

2. Check whether the following pair of angles are complementary angles:

- (a)  $57^0$  and  $43^0$
- (b)  $55^0$  and  $35^0$
- (c)  $56^0$  and  $24^0$
- (e)  $70.6^0$  and  $19.4^0$

3. Check whether the following pair of angles are supplementary angles:

- (a)  $142^0$  and  $43^0$
- (b)  $107^0$  and  $73^0$
- (c)  $67^0$  and  $74^0$
- (e)  $170.5^0$  and  $9.5^0$

4. Find the angle which is double of its complement?

5. Find the angle which is two-third of its complement.

6. Find the angle which is double of its supplement?

7.Find the angle which is one-third of its supplement?

8. The angle and twice of its complement is  $120^0$ .Find the angle.

9.The sum of the angle and twice of its supplement is  $280^0$ .Find the angle.

10.Find the angle which is equal to its complement?