Bal Bharati PUBLIC SCHOOL
RGPPL RATNAGIRI

ACADEMIC YEAR 2022-23

Worksheet No. 1

Subject:MATHEMATICS

Grade: VII **CH:LINES AND ANGLES**

1. A line that intersects two or more lines at distinct points is called

(a) Parallel (b) transversal (c) intersecting (d) none of these

2. If two adjacent angles are supplementary, then they form_____.

(a) Corresponding angles (b) vertically opposite angles

(c) a linear pair of angles (d) a ray

3. If two angles are supplementary then the sum of their measures is_____.

(a) 90° (b) 180° (c) 360° (d) 45°

4. If two angles are complementary, then the sum of their measures is_____.

(a) 45° (b) 180° (c) 90° (d) 360°

5. The difference in the measures of two complementary angles is 12°. Find the measures of the angles.

(a) 51° and 49° (b) 51° and 39° (c) 60° and 30° (d) 50° and 40°

6. The angle which is four times its complement is

(a) 60^0 (b) 30^0 c) 45^0 (d) 72^0

7. The difference in the measures of two complementary angles is 27^0. Find the measures of the angles.

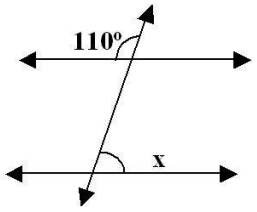
8. Find the angle whose complement is one-third of its supplement.

9. Find the measure of an angle which is 16^0 more than its complement.

10. Find the measure of an angle which is 18^0 less than its complement.

11. Two complementary angles are in the ratio 3 : 6. Find the angles.

12. Find the value of *x* if *lines are parallel*



13.

Lines $l \parallel m, p \parallel q$; Find a, b, c, d