

**BCM SCHOOL, BASANT AVENUE, DUGRI, LUDHIANA.**  
**NOVEMBER ASSIGNMENT**  
**CLASS- VI (MATHEMATICS)**  
**TOPICS: LINES AND ANGLES**

**SECTION –A (MULTIPLE CHOICE QUESTIONS)**

1. Least number of line segments required to make a polygon is  
 (a) 1  
 (b) 2  
 (c) 3  
 (c) 4
2. How many vertices are there in a hexagon?  
 (a) 5  
 (b) 2  
 (c) 7  
 (c) 6
3. Assertion (A) –A line contains a countless number of points  
 Reason (R) –Line extends indefinitely in both directions.  
 a) Both A and R are true and R is the correct explanation of A  
 b) Both A and R are true but R is not the correct explanation of A  
 c) A is true but R is false  
 d) A is false but R is true

**SECTION – B( 2 MARKS QUESTIONS)**

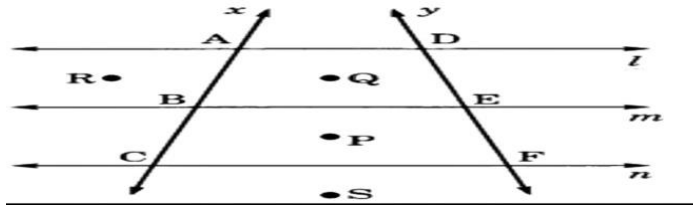
4. Draw an angle of  $230^\circ$ . What type of angle it is ?
5. Find the Measure of angle between hour and minute hand of a clock at 12:20.

**SECTION – C (3 MARKS QUESTIONS)**

6. Fill up the following:  
 a. \_\_\_\_\_ has no length, breadth, height or thickness.  
 b. A line segment has a definite \_\_\_\_\_ .  
 c. An angle of measure  $360^\circ$  is called a ..... angle.  
 d. 'Angle' is made up of \_\_\_\_\_ rays having a common end point.  
 e. The angle whose measure lies between  $90^\circ$  and  $180^\circ$  is called a/ an ..... angle.  
 f. The measure of a straight angle is .....
7. Draw a pentagon. Label it and identify it's vertices, angles and name the angles formed in it.

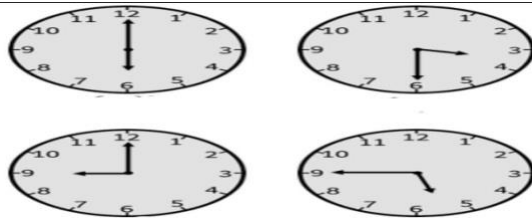
**SECTION – D (5 MARKS QUESTIONS)**

8. In the given figure, l, m and n are three parallel lines, x and y intersect these lines.



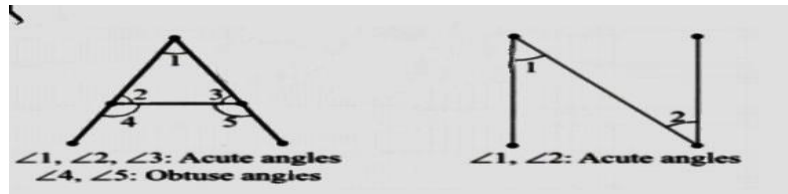
- (i) Name the points lying on the line x.
- (ii) Name the points lying on the line y.
- (iii) Name the points inside the quadrilateral ABED.
- (iv) Name the points outside the quadrilaterals ABED and BCFE.
- (iv) Name the lines passing through three points.

9. Identify the types of angles formed by minute and hour hand in given figures.



SECTION – E (CASE STUDY)

10. Mrs. Sushma, a maths teacher is guiding her class, to identify angles in English alphabets, like: three acute angles and two obtuse angles in A, two equal acute angle in letter N and so on.



Based on above information answer the following questions:

- (a) Which letter represents only a right angle?
- (b) Which two letters represent only four right angles?
- (c) Which letter represents only two straight angles?