Sub: Algebra and Geometry   **Class: 7**   **Date: 18.01.21**

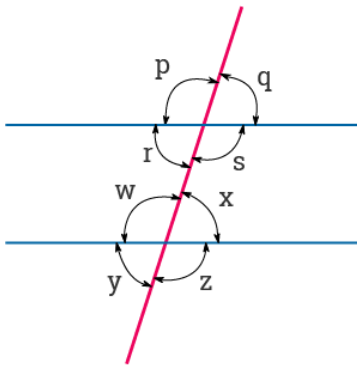**Duration: 40 min**   **Worksheet 02**   **Full Marks: 15**

Lines and Angles

Choose the Correct options:
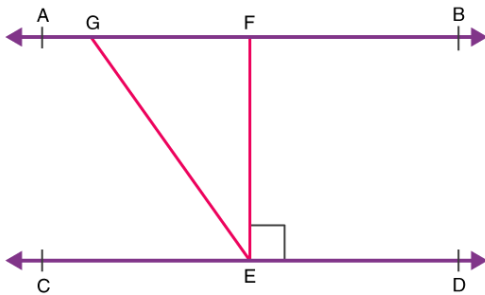
1) A line joining two endpoints is called:

    a. Line segment
    b. A ray
    c. Parallel lines
    d. Intersecting lines

2) A reflex angle is:

    a. More than 90 degrees
    b. Equal to 90 degrees
    c. More than 180 degrees
    d. Equal to 180 degrees

3) A straight angle is equal to:

    a. 0°
    b. 90°
    c. 180°
    d. 360°

4) Two angles whose sum is equal to 180° are called:

    a. Vertically opposite angles
    b. Complementary angles
    c. Adjacent angles
    d. Supplementary angles

5) The angles $x - 10°$ and $190° - x$ are

    a. interior angles on the same side of the transversal
    b. making a linear pair
    c. complementary
    d. supplementary

6) If two lines intersect each other, then the vertically opposite angles are:

    a. Equal
    b. Unequal
    c. Cannot be determined
    d. None of the above

Nilanjana Bhadra

7) In the figure below, which of the following are corresponding angle pairs?

    a. ∠p and ∠q
    b. ∠p and ∠w
    c. ∠p and ∠x
    d. ∠p and ∠z

8) If AB || CD, EF ⊥ CD and ∠GED = 135° as per the figure given below.

The value of ∠AGE is:

    a. 120°
    b. 140°
    c. 90°
    d. 135°

9) If angle P and angle Q are supplementary and the measure of angle P is 60°, then the measure of angle Q is

    a. 120°
    b. 60°
    c. 30°
    d. 20°

10) The angles between North and West and South and East are

    a. complementary
    b. supplementary
    c. both are acute
    d. both are obtuse

11) Angles between South and West and South and East are

a. vertically opposite angles
b. complementary angles
c. making a linear pair
d. adjacent but not supplementary

12) If the complement of an angle is 79°, then the angle will be of

      a. 1°
      b. 11°
      c. 79°
      d. 101°

13) Angles, which are both supplementary and vertically opposite are

      a. 95°, 85°
      b. 90°, 90°
      c. 100°, 80°
      d. 45°, 45°

14) The angle which makes a linear pair with an angle of 61°, is of

      a. 29°
      b. 61 °
      c. 122°
      d. 119°

15) The angles x and 90°- x are

a. supplementary
b. complementary
c. vertically opposite
d. making a linear pair