



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra and Geometry

Class: 7

Date: 18.01.21

Duration: 40 min

Worksheet Solution 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

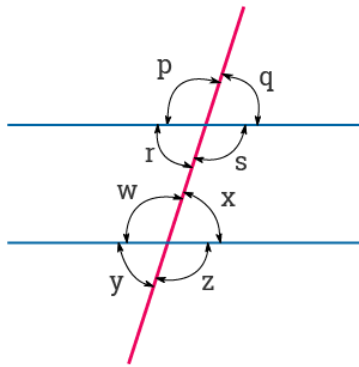
- 3) A straight angle is equal to:
 - a. 0°
 - b. 90°
 - c. **180°**
 - d. 360°

- 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 $x - 10^\circ$ and $190^\circ - x$ are
 - a. interior angles on the same side of the transversal
 - b. making a linear pair
 - c. complementary
 - d. **supplementary**

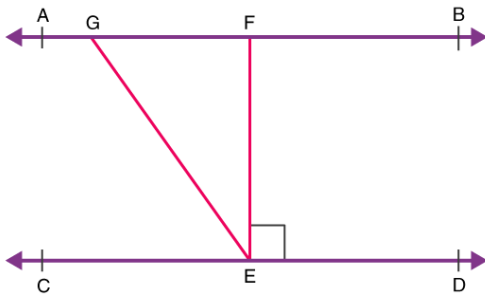
- 6) If two lines intersect each other, then the vertically opposite angles are:
 - a. **Equal**
 - b. Unequal
 - c. Cannot be determined
 - d. None of the above

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



- a. $\angle p$ and $\angle q$
- b. $\angle p$ and $\angle w$**
- c. $\angle p$ and $\angle x$
- d. $\angle p$ and $\angle z$

8) If $AB \parallel CD$, $EF \perp CD$ and $\angle GED = 135^\circ$ as per the figure given below.



The value of $\angle AGE$ 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. $95^\circ, 85^\circ$
- b. $90^\circ, 90^\circ$**
- c. $100^\circ, 80^\circ$
- d. $45^\circ, 45^\circ$

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 $90^\circ - x$ are

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