



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra and Geometry

Class: 7

Date: 03.07.20

Duration: 40 min

Worksheet 47

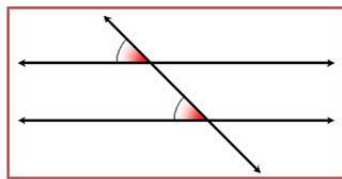
Full Marks: 15

LINES AND ANGLES

Choose the Correct options:

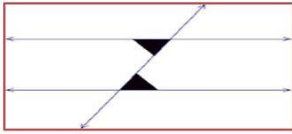
- An angle whose magnitude lies between 180° and 360° is called _____
 - Obtuse Angle
 - Wide angle
 - Reflex angle
 - Complete angle
- Write 'True' or 'False':
'Two obtuse angles may be complement to each other'
 - TRUE
 - FALSE
 - Can't Say
 - Not applicable
- Write 'True' or 'False':
'Two acute angles may be supplementary'
 - TRUE
 - FALSE
 - Can't Say
 - Not applicable
- α and β are supplementary angles. If $\alpha = 130^\circ$, then $\beta =$ _____
 - 50°
 - 40°
 - -40°
 - None of the above

**NAME THE PAIR OF ANGLES SHOWN
IN THE GIVEN FIGURE**



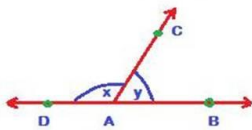
- Adjacent Angles
 - Linear Pair of angles
 - Corresponding angles
 - Alternate Angles

NAME THE PAIR OF ANGLES SHOWN
IN THE GIVEN FIGURE



- 6.
- (a) Corresponding Angles
 - (b) Alternate Interior Angles
 - (c) Vertically Opposite Angles
 - (d) None of the above

IF $\angle x = 120^\circ$,
THEN $\angle y = \underline{\hspace{1cm}}$

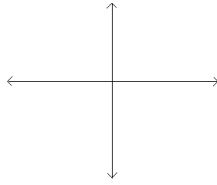


- 7.
- (a) 60°
 - (b) 50°
 - (c) -30°
 - (d) -60°
8. If a ray stands on a line, the sum of adjacent angles formed is _____
- (a) 180°
 - (b) 90°
 - (c) 120°
 - (d) 360°
9. If two lines are given, how many transversals can be drawn for these lines?
- (a) 1
 - (b) 2
 - (c) 5
 - (d) infinite number of transversals
10. The sum of all angles around a point is _____
- (a) 0°
 - (b) 360°
 - (c) 180°
 - (d) 90°
11. Parallel lines ...
- (a) will never intersect
 - (b) intersect to form right angles
 - (c) are curved lines
 - (d) Lie on different planes
12. Perpendicular lines...
- (a) will never intersect
 - (b) intersect to form right angles
 - (c) are curved lines
 - (d) Lie on different planes

13. A _____ is straight and extends in both directions forever.

- (a) point
- (b) line
- (c) line segment
- (d) ray

14. What kind of lines are shown?



- (a) parallel lines
 - (b) perpendicular lines
 - (c) straight lines
 - (d) open lines
15. Angles that have a measure less than 90 degrees are called _____.
- (a) acute angles
 - (b) obtuse angles
 - (c) right angles
 - (d) straight angles