



ST. LAWRENCE HIGH SCHOOL

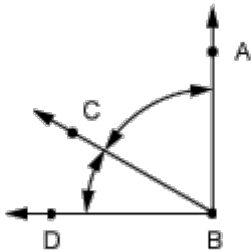


A JESUIT CHRISTIAN MINORITY INSTITUTION

- **Subject- Mathematics** **Worksheet- 5** **Class – 5**
- **Date-17.04.2020** **1st Term**
- **Topic-Construction of angles.**

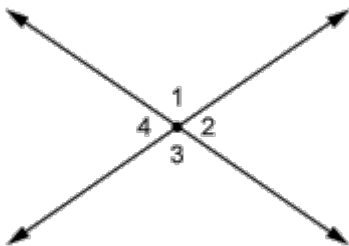
Q1. Based on the following information, where $\angle ABD$ is a right angle, which equation could be used to solve for x?

$$m\angle DBC = x$$
$$m\angle CBA = 2x$$



- a. $2x - x = 90$
- b. $2x + x = 90$
- c. $2x - x = 180$
- d. $2x + x = 180$

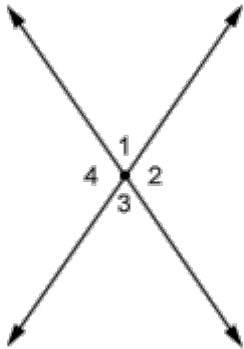
Q2. Using the diagram shown, $\angle 1$ and $\angle 4$ are supplementary angles. If $\angle 4 = 70^\circ$, What is the measure of $\angle 1$?



- a. 180°
- b. 20°

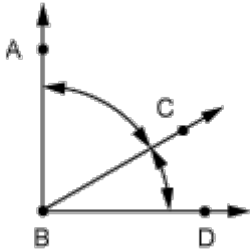
- c. 110°
- d. 130°

Q3. If the measure of angle 1 is 55 degrees then the measure of angle 3 is _____ degrees.



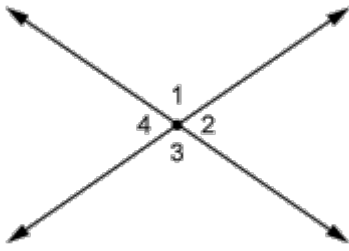
- a. 125
- b. 35
- c. 55
- d. 90

Q4. In the diagram, $\angle DBA$ is a 90° angle. What type of angles are $\angle ABC$ and $\angle CBD$?



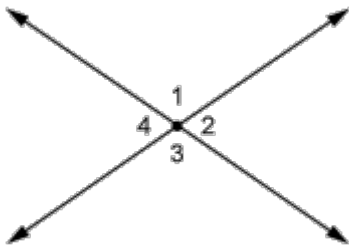
- a. Supplementary and adjacent angles
- b. Supplementary, but not adjacent angles
- c. Complementary and adjacent angles
- d. Complementary, but not adjacent angles

Q5. The measure of $\angle 1$ is 150° . What are the measures of $\angle 4$, $\angle 3$, and $\angle 2$?



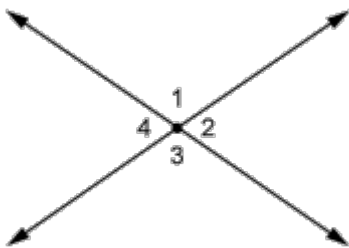
- a. $30^\circ, 150^\circ, 30^\circ, 150^\circ, 30^\circ$
- b. $45^\circ, 120^\circ, 30^\circ, 45^\circ, 120^\circ, 30^\circ$
- c. $60^\circ, 150^\circ, 45^\circ, 60^\circ, 150^\circ, 45^\circ$
- d. $90^\circ, 135^\circ, 30^\circ, 90^\circ, 135^\circ, 30^\circ$

Q6. What geometric term names the top and bottom angles in the figure shown?



- a. Supplementary angles
- b. Complementary angles
- c. Horizontal angles

Q7. What geometric term names the top and right side angles in the figure shown?

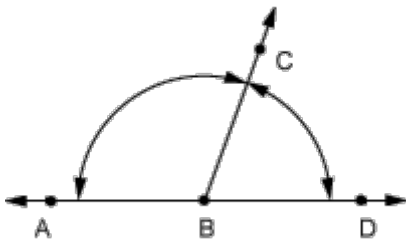


- a. Supplementary angles
- b. Complementary angles
- c. Horizontal angles
- d. Vertical angles

Q8. Given the following, including the fact that $\angle ABC \cong \angle CBD$ and $\angle CBD \cong \angle DBC$ are supplementary, what is the value of $m\angle ABC$?

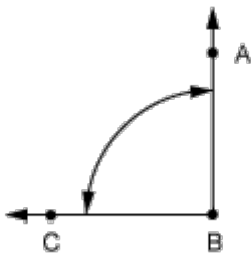
$$m\angle DBC = x - 10$$

$$m\angle ABC = x + 30$$



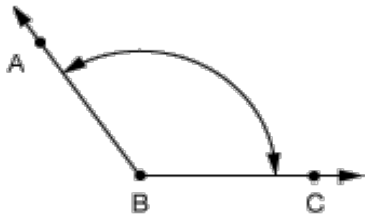
- a. 35°
- b. 70°
- c. 80°
- d. 110°

Q9. Name the angle.



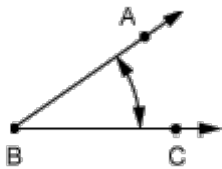
- a. acute
- b. obtuse
- c. right

Q10. This angle is acute.



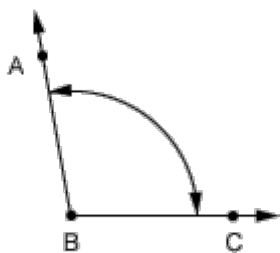
- a. True
- b. False

Q11. What type of angle is shown?



- a. acute angle
- b. obtuse angle
- c. right angle
- d. straight angle

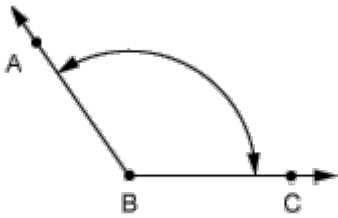
Q12. Below is a 100 degree angle. How many degrees would you add to it to make it 180 degrees.



- a. 80
- b. 40
- c. 30

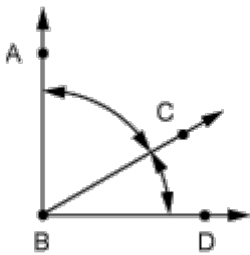
d. 41

Q13. This angle is obtuse.



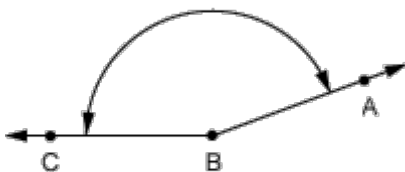
- a. True
- b. False

Q14. What is B called?



- a. point
- b. endpoint
- c. vertex
- d. midpoint

Q15. Which TWO statements about the angle shown are true?



- a. Angle ABC is acute.
- b. Angle ABC is obtuse.

- c. Angle ABC is less than 180° .
- d. Angle ABC is equal to 180° .
- e. Angle ABC is greater than 180° .

Teacher- Piyali Halder

X

□