

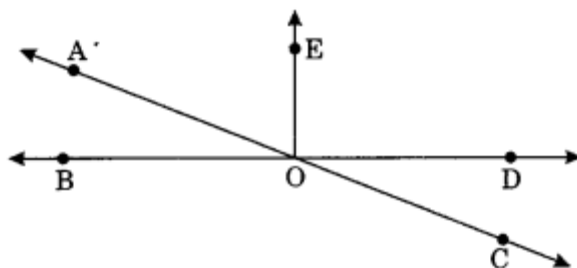
1. If two angles are supplementary then sum of their measures is [1]
(a) 180° (b) 90° (c) 360° (d) 0°

2. Two angles can be supplementary if both of them are [1]
(a) obtuse (b) acute (c) right (d) straight

3. Two angles forming a linear pair are _____ [1]
(a) complementary (b) vertically opposite (c) reflex (d) supplementary

4. Which among the following is not a pair of complementary angles? [1]
(a) $45^\circ, 45^\circ$ (b) $55^\circ, 35^\circ$ (c) $43^\circ, 47^\circ$ (d) $63^\circ, 37^\circ$

5. In the following figure name [2]
(a) A pair of complementary angles
(b) A pair of vertically opposite angle

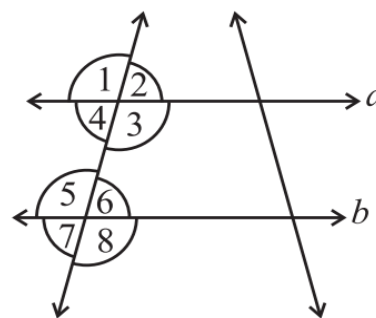


6. Find the angle which is complement of itself. [2]

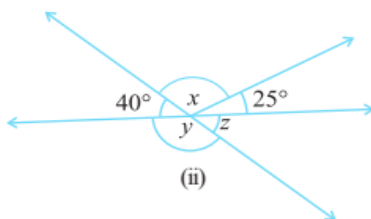
7. Find the angle which is supplement of itself. [2]

8. State the property used in the following statements [3]

- (a) If $a \parallel b$ then $\angle 1 = \angle 5$
- (b) If $\angle 4 = \angle 6$ then $a \parallel b$
- (c) If $\angle 4 + \angle 5 = 180$ then $a \parallel b$



9. Find angle x , y and z [3]



10. In the figure OB is perpendicular to OA and $\angle BOC = 49^\circ$ find [4]

- (a) $\angle BOD$
- (b) $\angle AOD$
- (c) $\angle AOC$
- (d) Is $\angle AOC$ complementary of $\angle BOC$

