



# SACRED HEART SCHOOL

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Website: <http://www.sacredheartkoderma.org/>

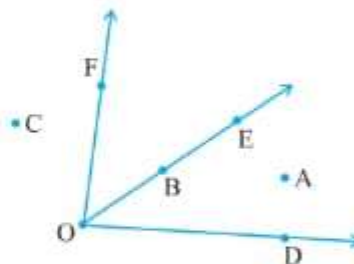
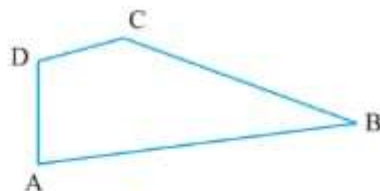
## Maths

### Class – VI

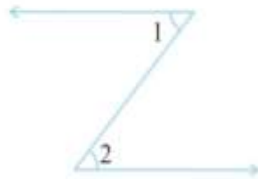


#### EXERCISE 4.3

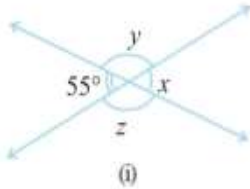
1. Name the angles in the given figure.
2. In the given diagram, name the point(s)
  - (a) In the interior of  $\angle DOE$
  - (b) In the exterior of  $\angle EOF$
  - (c) On  $\angle EOF$
3. Draw rough diagrams of two angles such that they have
  - (a) One point in common.
  - (b) Two points in common.
  - (c) Three points in common.
  - (d) Four points in common.
  - (e) One ray in common.



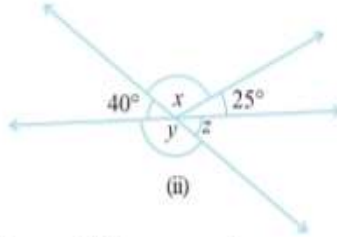
11. In the following figure, is  $\angle 1$  adjacent to  $\angle 2$ ? Give reasons.



12. Find the values of the angles  $x$ ,  $y$ , and  $z$  in each of the following:



(i)



(ii)

13. Fill in the blanks:

- (i) If two angles are complementary, then the sum of their measures is \_\_\_\_\_.
- (ii) If two angles are supplementary, then the sum of their measures is \_\_\_\_\_.
- (iii) Two angles forming a linear pair are \_\_\_\_\_.
- (iv) If two adjacent angles are supplementary, they form a \_\_\_\_\_.
- (v) If two lines intersect at a point, then the vertically opposite angles are always \_\_\_\_\_.
- (vi) If two lines intersect at a point, and if one pair of vertically opposite angles are acute angles, then the other pair of vertically opposite angles are \_\_\_\_\_.

14. In the adjoining figure, name the following pairs of angles.

- (i) Obtuse vertically opposite angles
- (ii) Adjacent complementary angles
- (iii) Equal supplementary angles
- (iv) Unequal supplementary angles
- (v) Adjacent angles that do not form a linear pair

