

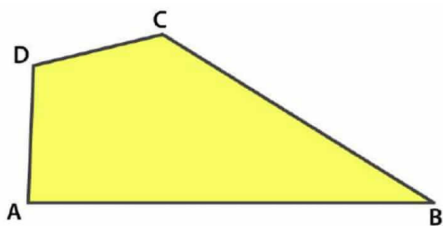
Board –CBSE

Class – 6<sup>th</sup>

Topic – Basic Geometrical Ideas Ex:4.3

### Exercise – 4.3

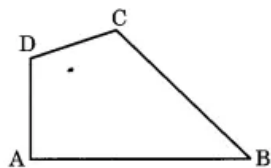
Q1. Name the angles in the given figure.



Sol. The angles are:

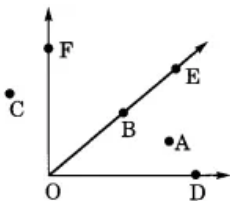
- (i)  $\angle A$  or  $\angle DAB$
- (ii)  $\angle B$  or  $\angle CBA$
- (iii)  $\angle C$  or  $\angle DCB$
- (iv)  $\angle D$  or  $\angle ADC$ .

Q2. In the given diagram, name the point(s):



- (a) In the interior of  $\angle DOE$
- (b) In the exterior of  $\angle EOF$
- (c) On  $\angle EOF$

Sol. (a) A is the point in the interior  $\angle DOE$ .  
 (b) C is the point on the exterior  $\angle EOF$ .  
 (c) B is the point on  $\angle EOF$ .

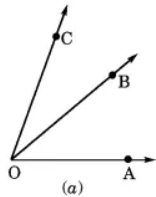


Q3. Draw rough diagrams of two angles such that they have

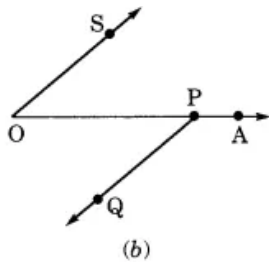
- (a) One point in common

- (b) Two points in common
- (c) Three points in common
- (d) Four points in common
- (e) One ray in common

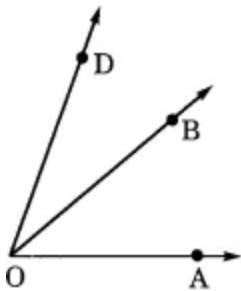
Sol. - (a)



(b) In figure (b), O and P are the common points in  $\angle SOA$  and  $\angle OPQ$ .



- (c) Such a diagram is not possible.
- (d) Such a diagram is not possible.



(e)  $\vec{OB}$  is the common ray of  $\angle AOB$  and  $\angle DOB$ .