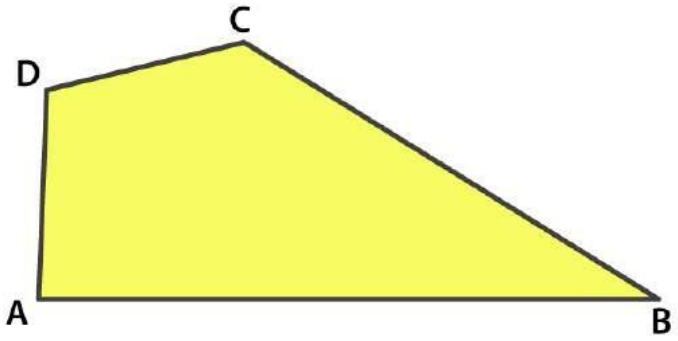
PUBLIC SCHOOL DARBHANGA
SESSION (2020-21)
CLASS:VI
MATHEMATICS
BASIC GEOMETRIC IDEAS

1. Name the angles in the given figure.

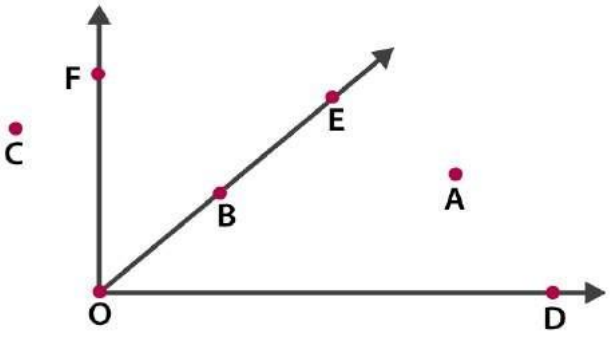


2. In the given diagram, name the points(s)

(a) In the interior of ∠DOE

(b) In the exterior of ∠EOF

(c) On ∠EOF



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

(a) One point in common

(b) Two points in common

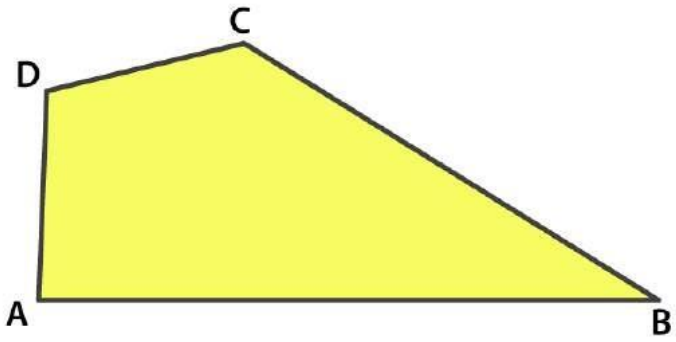
(c) Three points in common

(d) Four points in common

One ray in common

ANSWER KEY

1. Name the angles in the given figure.



Solutions:

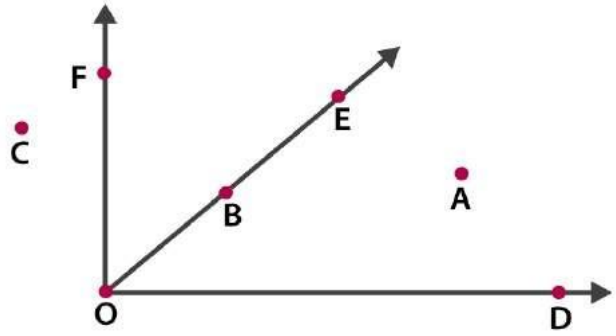
The angles are ∠DAB, ∠ABC, ∠BCD and ∠CDA

2. In the given diagram, name the points(s)

(a) In the interior of ∠DOE

(b) In the exterior of ∠EOF

(c) On ∠EOF



Solutions:

(a) The point in the interior of ∠DOE is A

(b) The point in the exterior of ∠EOF is C, A and D

(c) The points on ∠EOF are E, B, O and F

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

(a) One point in common

(b) Two points in common

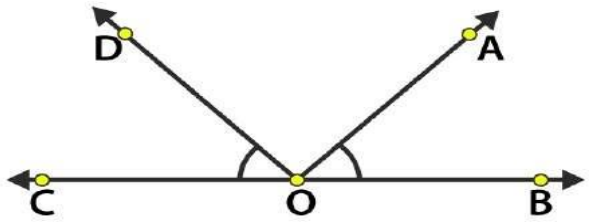
(c) Three points in common

(d) Four points in common

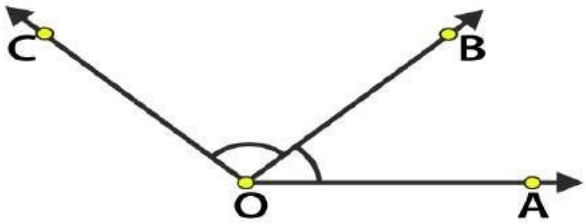
(e) One ray in common

Solutions:

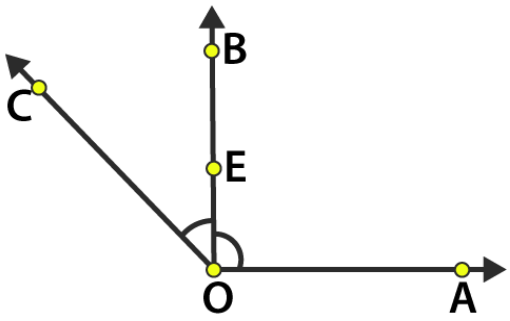
(a) O is common point between ∠COD and ∠AOB



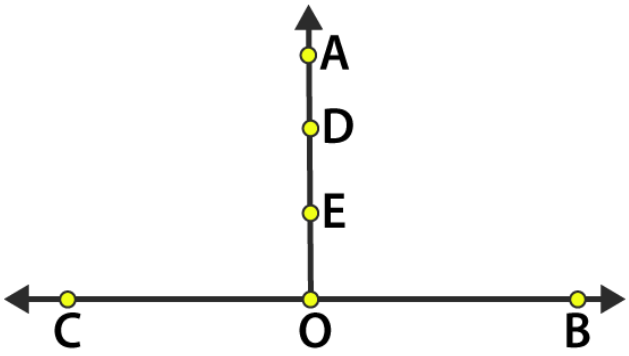
(b) O and B are common points between ∠AOB and ∠BOC



(c) O, E and B are common points between ∠AOB and ∠BOC



(d) O, E, D and A are common points between ∠BOA and ∠COA



(e) OC is common ray between ∠BOC and ∠AOC