Pairs of Lines

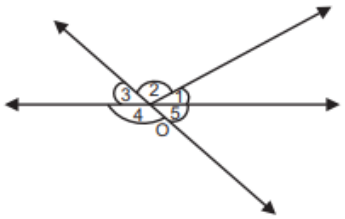
1. **Write the name of the:**

   A. Pairs of adjacent angles.

   B. Angles which form linear pairs.

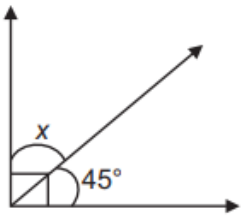
   C. Pairs of vertically opposite angles.

   D. Supplementary angles.

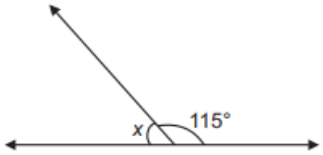


2. **Find the value of x in the following figures:-**

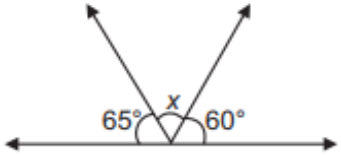
   A.



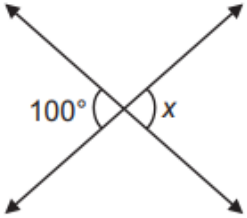
   B.



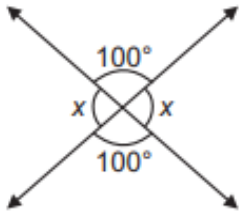
   C.



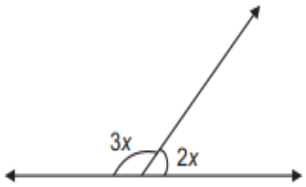
   D.



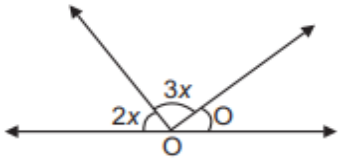
E.



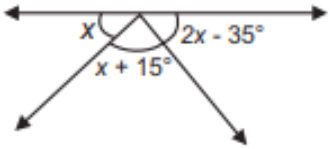
F.



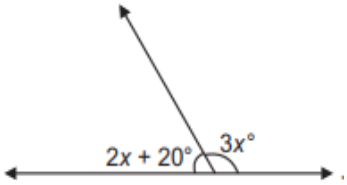
G.



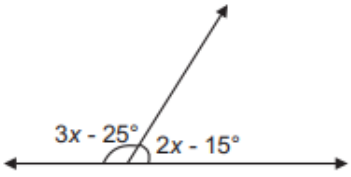
H.



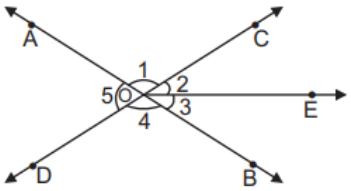
I.



J.



3. **Observe the given figure and answer the following questions:-**



A. Is ∠ 1 adjacent to ∠2?

B. Is ∠AOC adjacent to ∠AOE?

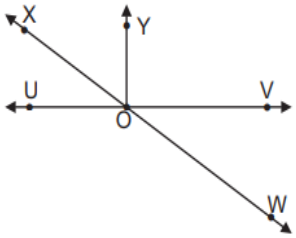
C. Do ∠COE and ∠EOD form a linear pair?

D. Are ∠BOD and ∠DOA supplementary?

E. Is ∠1 vertically opposite to∠4?

F. What is the vertically opposite angle of ∠5?

4. **In the given figure, name the following pairs of angles:-**



A. Obtuse vertically opposite angles.

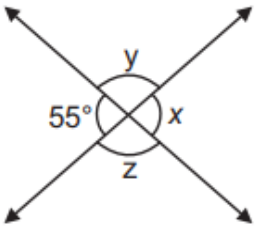
B. Adjacent complementary angles.

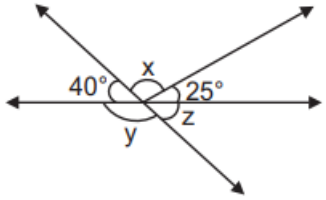
C. Equal supplementary angles.

D. Unequal supplementary angles.

E. Adjacent angles that do not form a linear pair.

5. **Find the values of angles x, y and z in each of the following:-**





6. Fill in the blanks.

A. A line which _____two or more lines at different points is known as a _____

B. The distance between two parallel lines is the _____everywhere.

C. A pair of vertically opposite angles is always _____ in measure.

D. A pair of _____angles always have a common vertex.

E. If the sum of the measures of two angles is 180°, they are called _____.