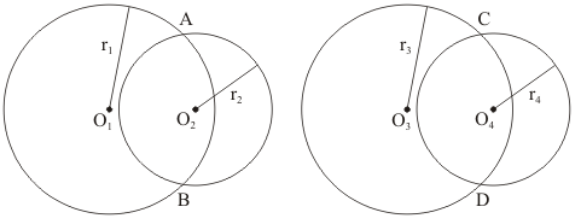
Circles Ex 16.2 Q12

Answer :

Given that two different pairs of circles $C_1(O_1,r_1)$, $C_2(O_2,r_2)$, $C_3(O_3,r_3)$ and $C_4(O_4,r_4)$ in the figure.

As we see that only two points *A, B* of first pair of circle and *C, D* of the second pair of circles are common points.

Thus only two points are common in each pair of circle.



Circles Ex 16.2 Q13

Answer :

Given a circle *C*(*O*, *r*).

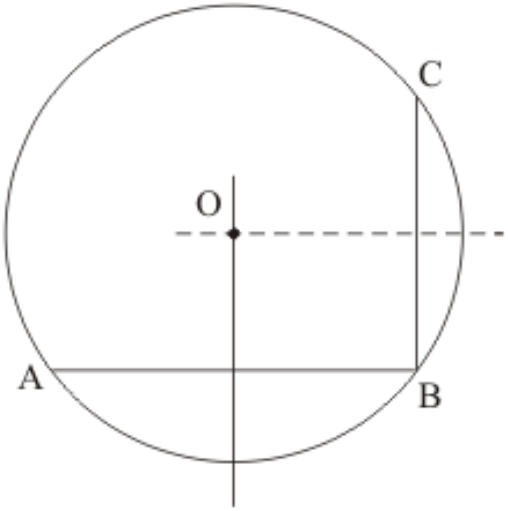
We take three points *A*, *B* and *C* on the circle.

Join *AB* and *BC*.

Draw the perpendicular bisector of chord *AB* and *BC*.

Let these bisectors intersect at point *O*.

Hence, *O* is the centre of circle.



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