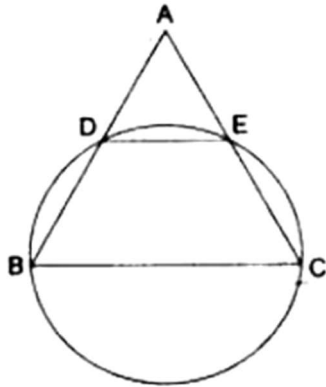
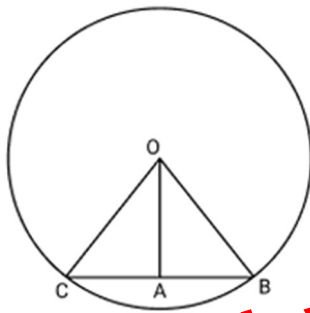


4. Show that $DE \parallel BC$, if in an isosceles triangle ABC , $AB = AC$ and a circle passing through B, C intersects the sides AB and AC at D and E .



5. If OA is perpendicular to CB and OB is equal to 5cm and OA is equal to 3cm , find the length of AB



6. A chord AB of a circle is produced to C such that $BC = OB$ and CO is joined and produced to meet the circle at D . If $\angle ACD = y^\circ$ and $\angle AOD = x^\circ$, prove that $x = 3y$.

