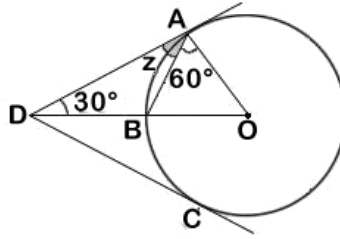


# Angles and line segments

This task is about using geometric properties to explain why line segments are the same length.  
The centre of this circle is marked with a dot.



[Not drawn to scale]

a) The line segments OA and OB are the same length.

Explain why.

b) i) What is the size of the shaded angle marked 'z'?  degrees

ii) The line segments DB and AB are the same length.

Explain why.

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