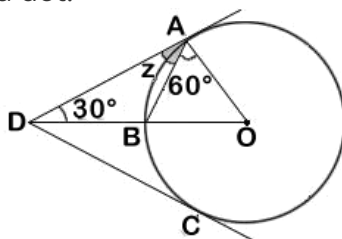


Angles and line segments

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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