1 Part of a regular polygon with 15 sides is shown.
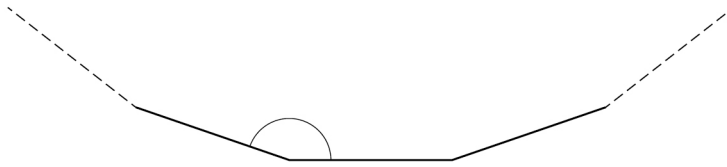
Not drawn
accurately

Work out the size of an **interior** angle.

[2 marks]

_____

_____

_____

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_____

Answer _____ degrees

2   *AB*, *BC* and *CD* are sides of a regular 12-sided polygon.

CDMN is a square.

Not drawn
accurately

Prove that points *A*, *B* and *N* lie on a straight line.

[4 marks]

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3 (a) Part of a regular polygon is shown.

Not drawn
accurately

Assume that the polygon is an octagon.

Work out the size of an **exterior** angle.

[2 marks

Answer _____ °

3 (b) In fact, the polygon has **more** sides than an octagon.

What does this mean about the size of an exterior angle?

Tick **one** box.

[1 mark

☐ It is more than the answer to part (a)

☐ It is the same as the answer to part (a)

☐ It is less than the answer to part (a)

☐ It could be any of the above