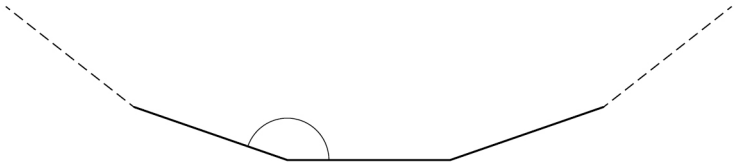
1 Part of a regular polygon with 15 sides is shown.



Not drawn accurately

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

[2 marks]

$\frac{(15-2) \times 180}{15}$ ① $= \frac{2340}{15} = 156$

Answer 156 ① degrees

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

Not drawn accurately

Assume that the polygon is an octagon.

Work out the size of angle x.

[2 marks]

$360 \div 8 = 135$ (1)

$180 - 135 = 45$ (1)

Answer 45 °

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

What does this mean about the size of angle x ?

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) (1)
- ☐ It could be any of the above