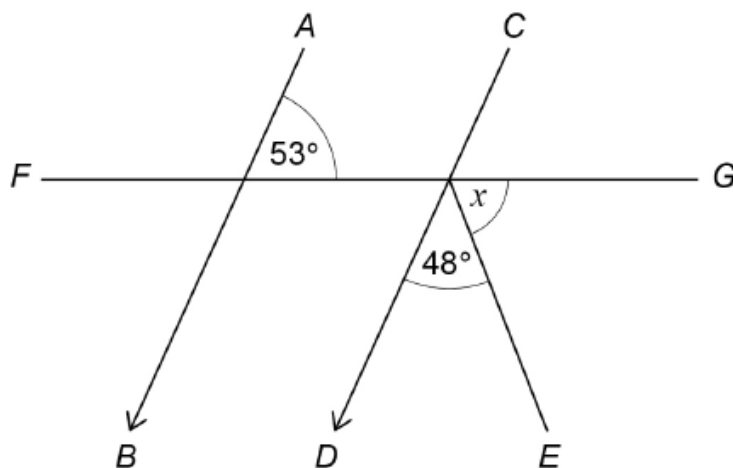**AQA – Geometry and measures – GCSE Mathematics Paper_2**

1. June/2021/Paper_2F/No.16

   AB is parallel to *CD*.

   FG is a straight line.

   A   C   Not drawn
   accurately

   53°

   F ——————————————— G

   x

   48°

   B   D   E

   Work out the size of angle *x*.

   [3 marks]

   _____

   _____

   _____

   _____

   _____

   _____

   _____

   _____

   Answer _____ degrees

2. June/2021/Paper_2F/No.24(b)

(b) The actual length *AB* is greater than the answer to part (a).

What does this mean about angle *ACB*?

Tick **one** box.

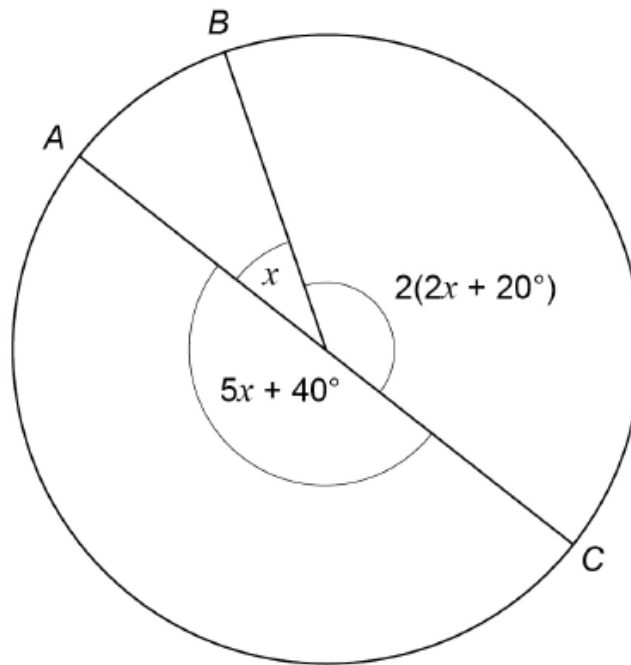**[1 mark]**

☐ It is 90°

☐ It is less than 90°

☐ It is more than 90°

☐ It could be any of the above.

2. June/2021/Paper_2F/No.24(b)

3. June/2021/Paper_2F/No.30

A, *B* and *C* are three points on a circle.

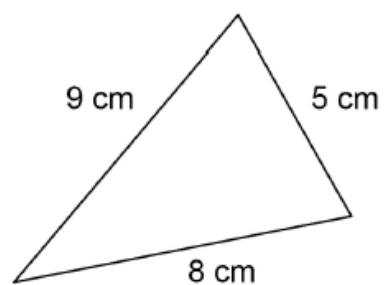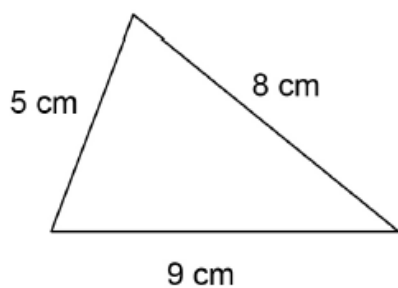The radii from *A*, *B* and *C* are shown.

Not drawn
accurately

Is *AC* a diameter of the circle?

You **must** show your working.

[3 marks]

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

3

4. June/2021/Paper_2H/No.4

Not drawn accurately

Circle the reason why these triangles are congruent.
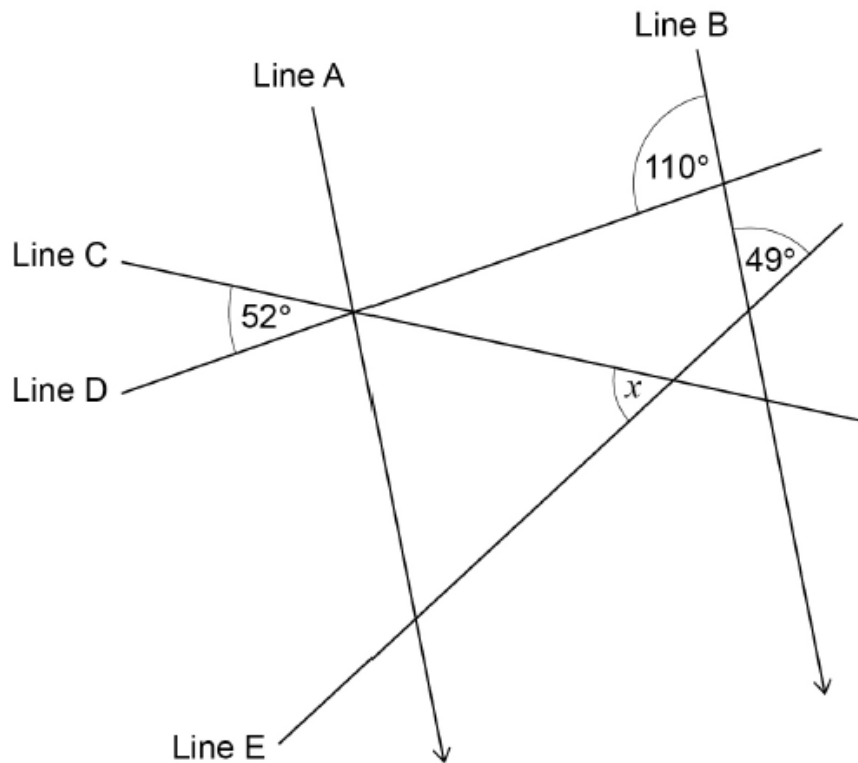
[1 mark]

ASA   RHS   SAS   SSS

5. June/2021/Paper_2H/No.6

Lines A, B, C, D and E intersect as shown.

Lines A and B are parallel.

Line B

Not drawn
accurately

Line A

Line C

110°

49°

52°

Line D

x

Line E

Work out the size of angle x.

[3 marks]

_____

_____

_____

_____
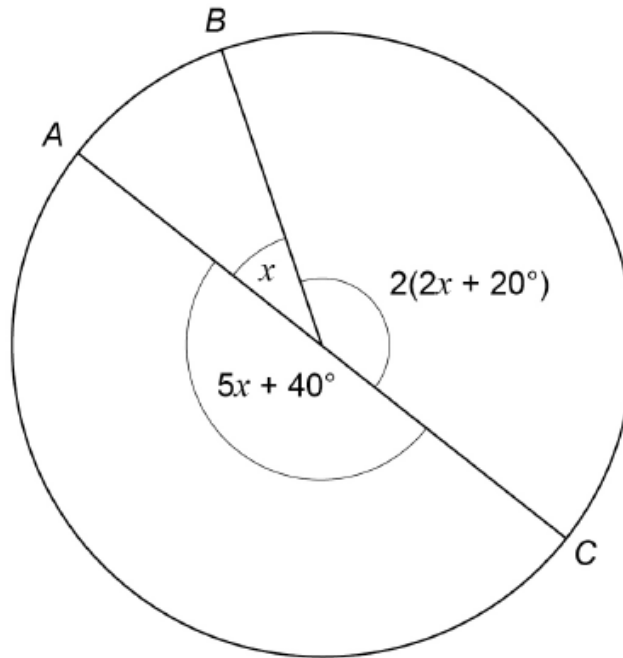
_____

_____

_____

Answer _____ degrees

6. June/2021/Paper_2H/No.12

A, *B* and *C* are three points on a circle.

The radii from *A*, *B* and *C* are shown.

Not drawn accurately

Is *AC* a diameter of the circle?

You **must** show your working.

[3 marks]

_____

_____

_____

_____

_____

_____

_____

_____

_____