British Maths

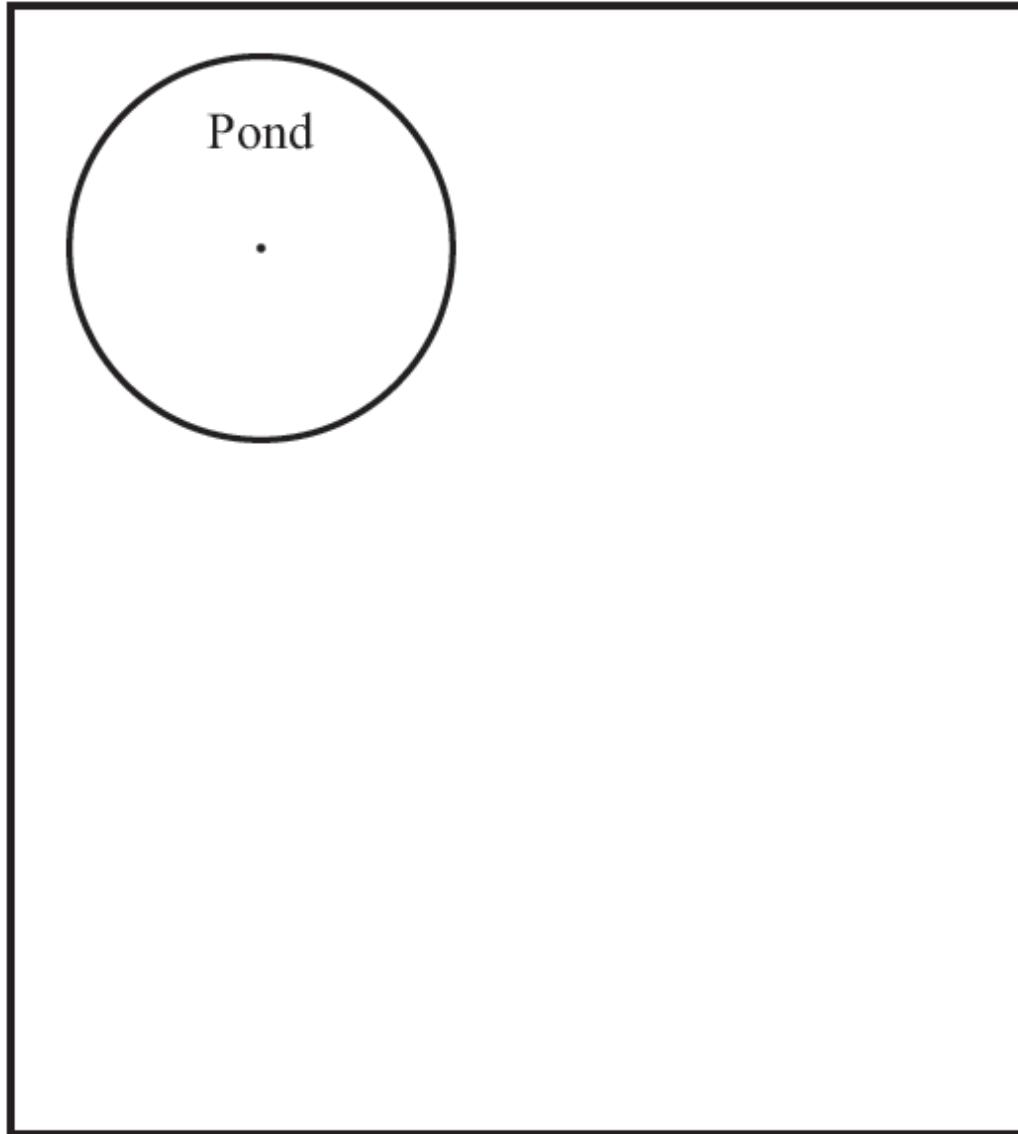1. **[April 2019 qp2 #7]**

This is a scale drawing of a garden.

Scale: 1 centimetre represents 2 metres

(a) There is a circular pond in the garden.

By measuring, find the **diameter** of the pond in real life**.**

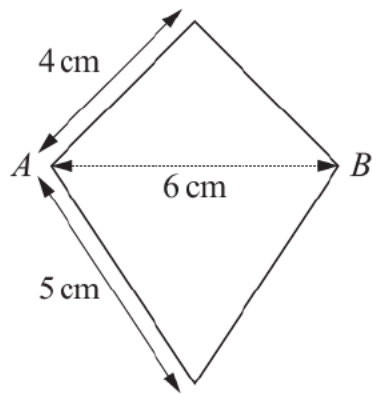…………………… metres

(b) The owners want to build a shed in the garden.

The shed measures 3 metres by 4 metres.

Draw the shed on the diagram**.**

2. **[April 2018 qp2 #7]**

The diagram shows a sketch of a kite
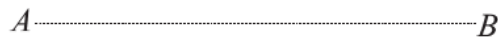
4 cm

NOT TO
SCALE

A   6 cm   *B*

5 cm

Use a ruler and compasses to construct the kite in the space below.

The diagonal AB has been drawn for you

Leave in your construction lines

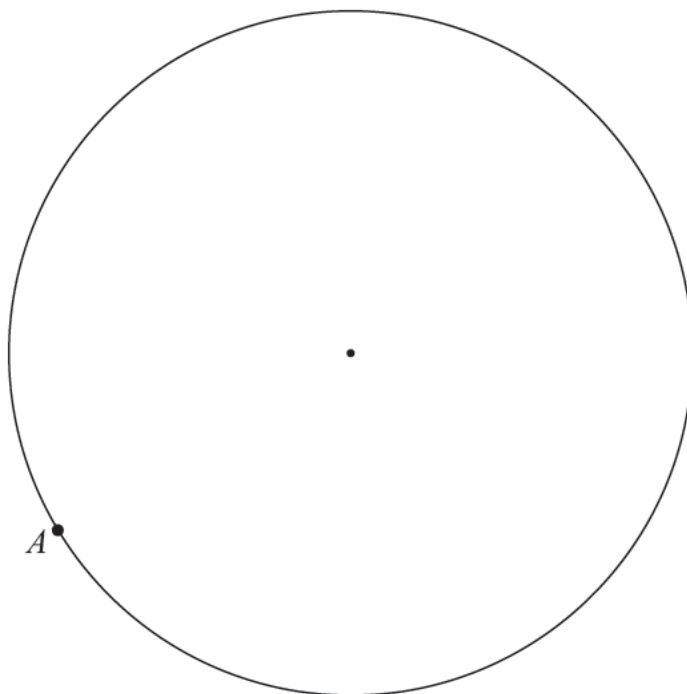*A* -- *B*

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3. **[October 2019 qp2 #21]**

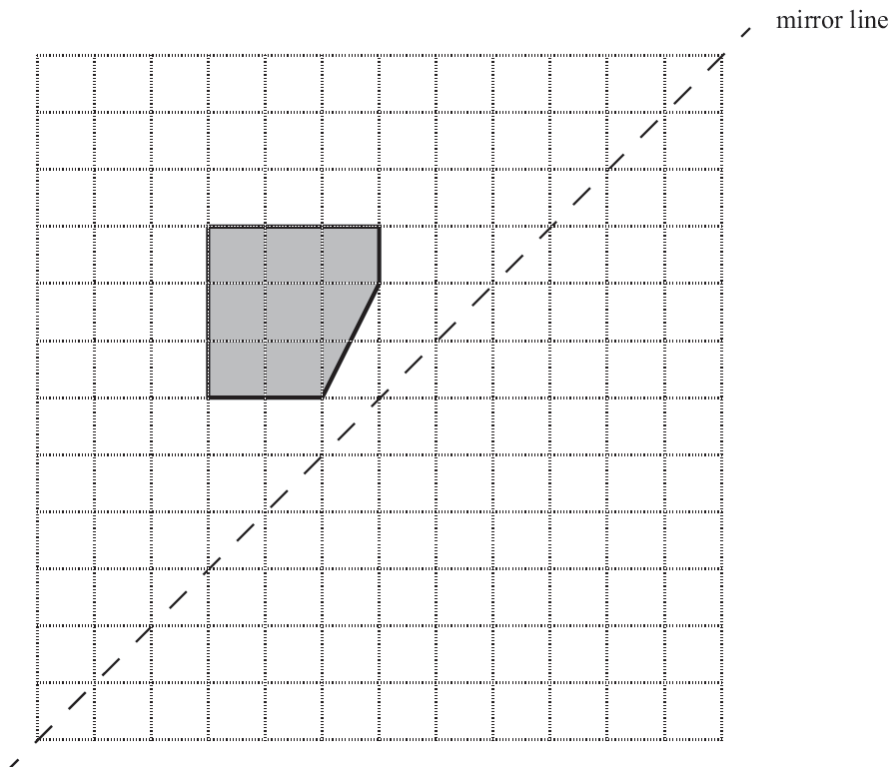Construct an inscribed regular hexagon (ABCDEF) inside this circle.
Vertex A is marked.
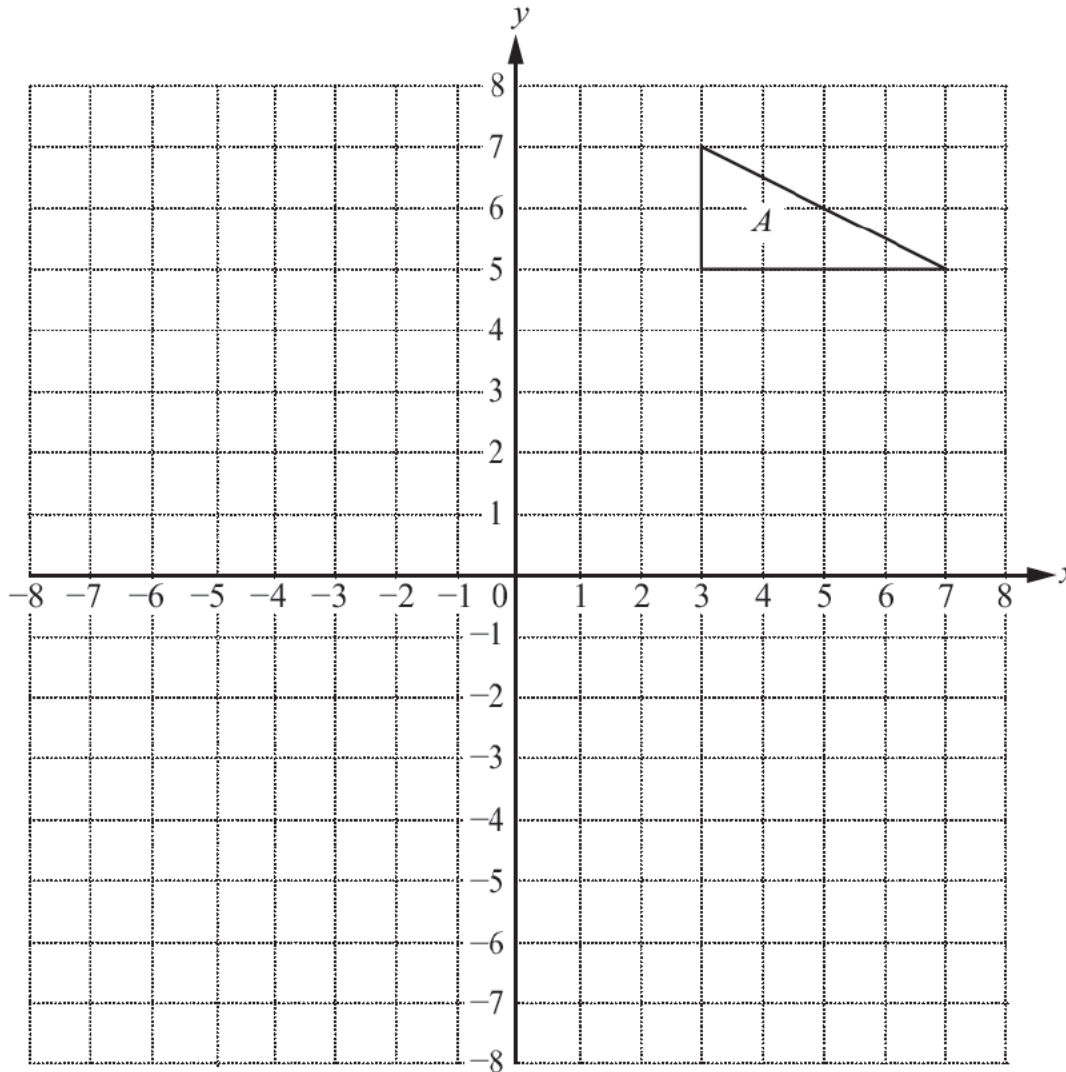Leave in your construction lines.

4. **[April 2019 qp2 #5]**

mirror line

Reflect the shape in the mirror line.

5. **[April 2018 qp1 #21]**

The diagram shows triangle A drawn on a grid.

(a) Reflect triangle A in the line $y = 2$. Label the reflection B

(b) Reflect triangle B in the line $x = 1$. Label the reflection C

A rotation will map triangle C back into triangle A

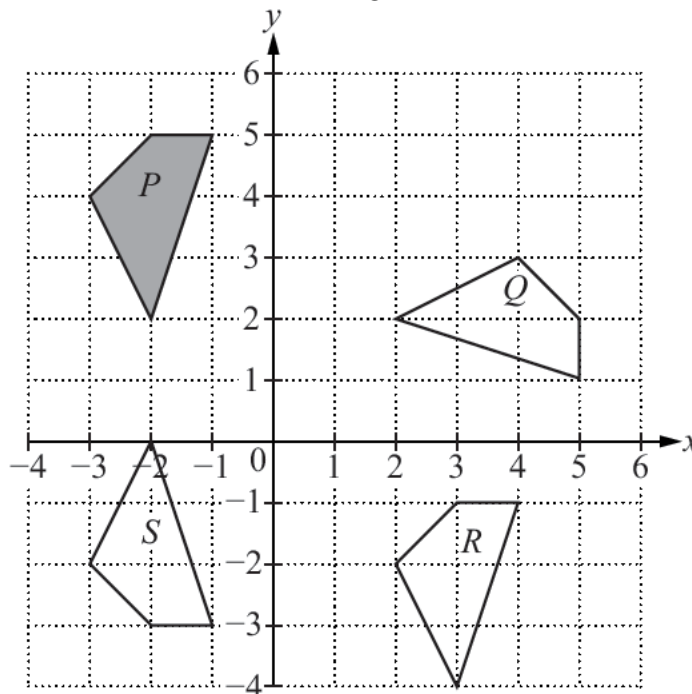(c) Find the coordinates of the centre of this rotation

(……….. , …………)

6. **[October 2019 qp2 #19]**

Quadrilaterals P, Q, R and S are shown on the grid.

Complete the descriptions of each transformation.

(a) Quadrilateral ………………….. is a reflection of quadrilateral *P* in the line with

   Equation ………………………..

(b) Quadrilateral ………………….. is a rotation of quadrilateral *P* by …………………..

   degrees clockwise, about the point (……………. , ……………)

7. **[October 2018 qp2 #12]**

Rotate shape Q by 90° **clockwise** about point C.