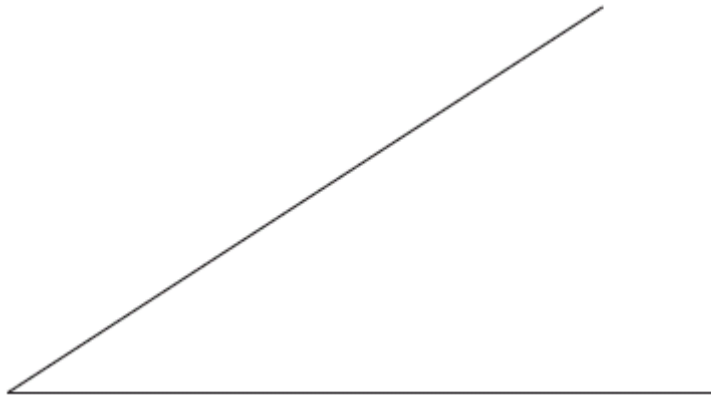# GCSE
MATHEMATICS

Topic tests – Foundation tier– Shape

Name _____

1 **(a)** Measure the size of the **acute** angle.
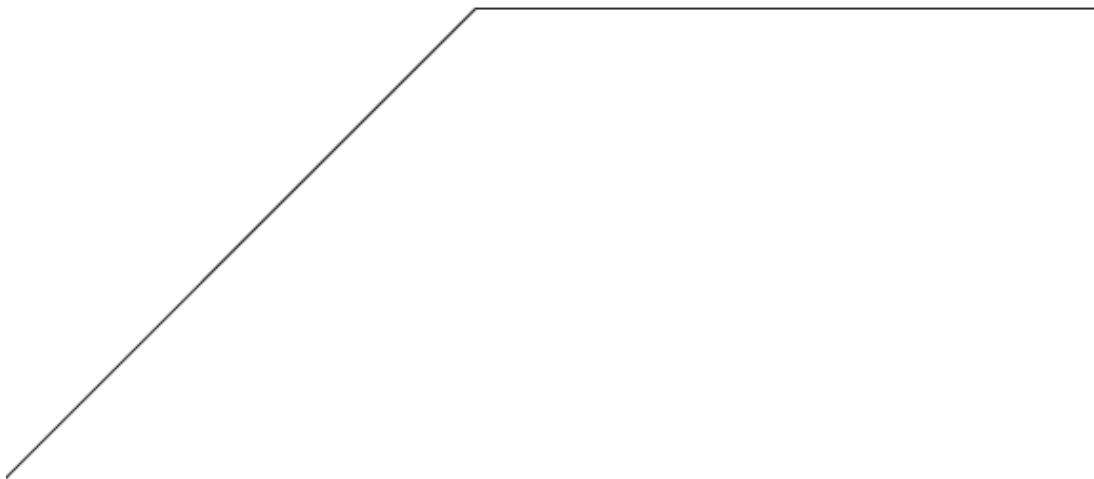
[1 mark]

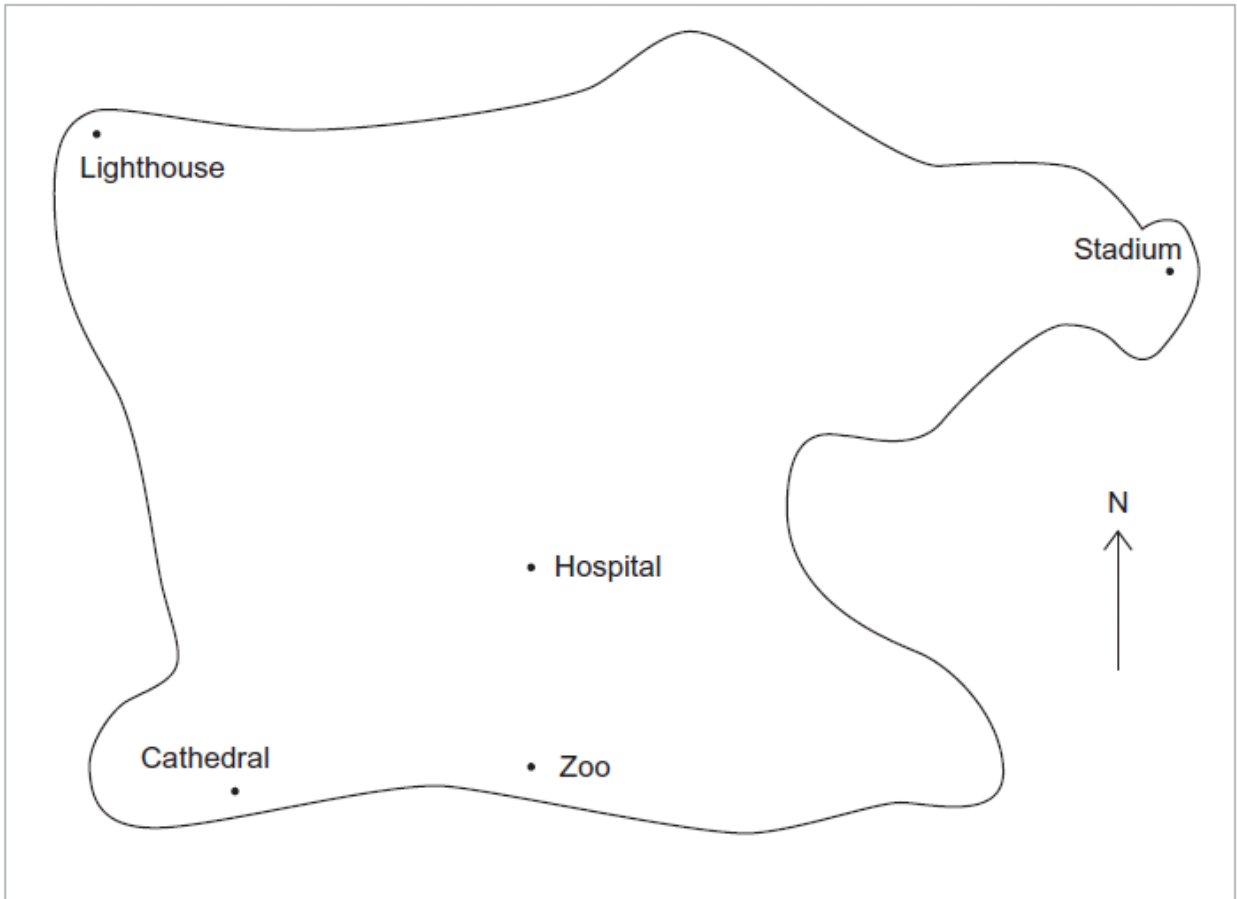Answer _____ degrees

1 **(b)** Measure the size of the **obtuse** angle.

[1 mark]

Answer _____ degrees

AQA

2

2 **(a)** What is South of the Hospital?

[1 mark]

Answer _____

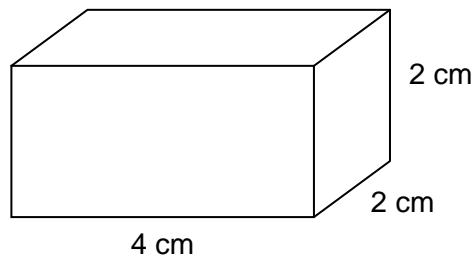**2** **(b)** What is South-East of the Lighthouse?

[1 mark]

Answer _____

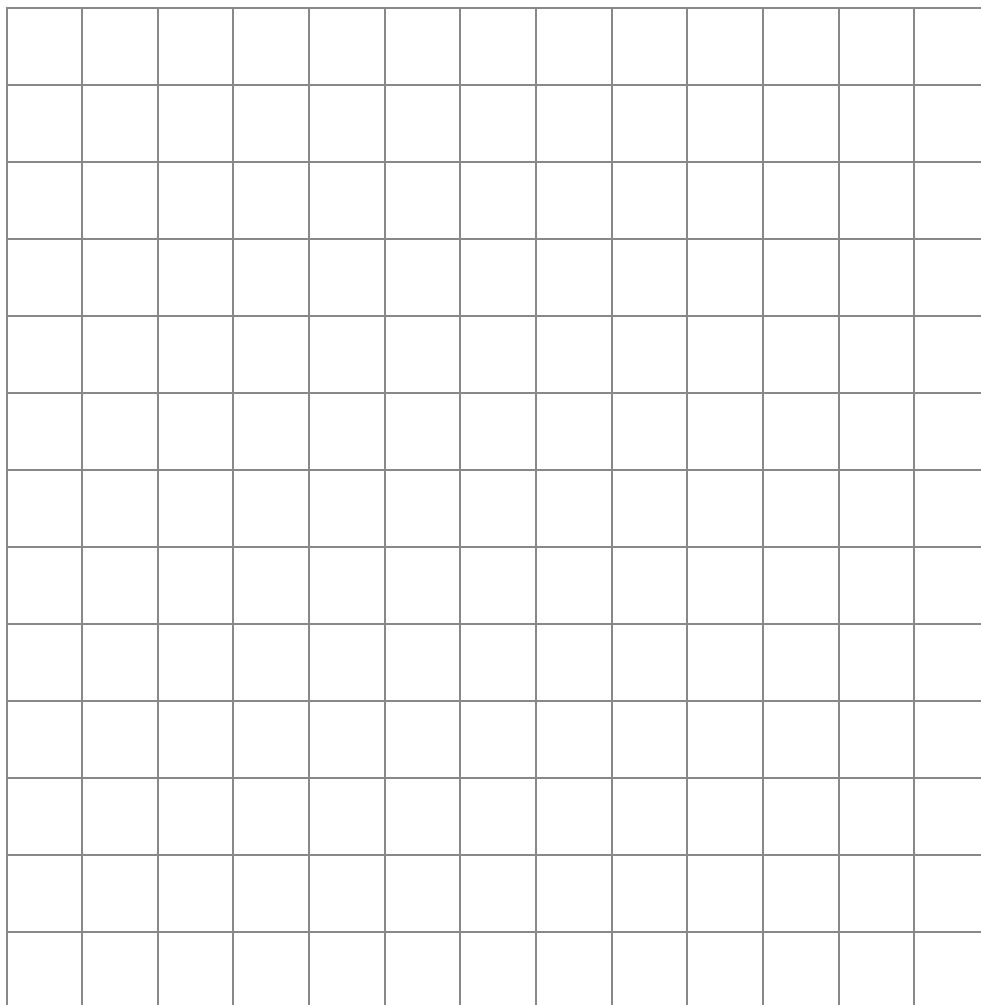**2** **(c)** Measure the three figure bearing of the Stadium from the Hospital.

[2 marks]
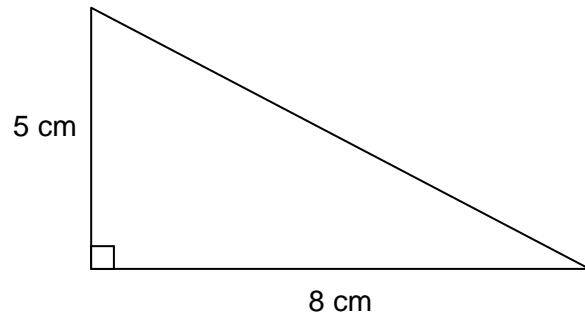
Answer _____ °

3   The diagram shows a cuboid.

2 cm

2 cm

4 cm

Draw an accurate net of the cuboid on this centimetre grid.

[3 marks]

AQA

4

5 cm

8 cm

Not drawn
accurately

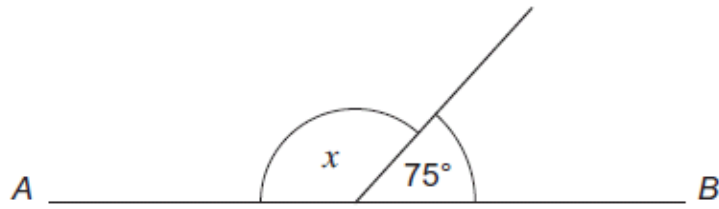Calculate the area of the triangle.

[2 marks]

Answer _____ cm^2

5 **(a)** *AB* is a straight line.

Work out the size of angle x.

[1 mark]
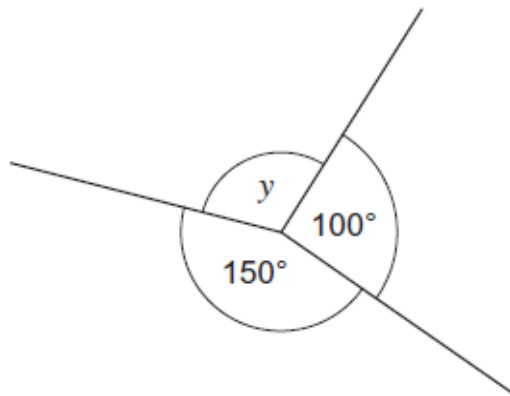
Not drawn accurately

A _____ B

x 75°

Answer _____ degrees

5 **(b)** Work out the size of angle y.
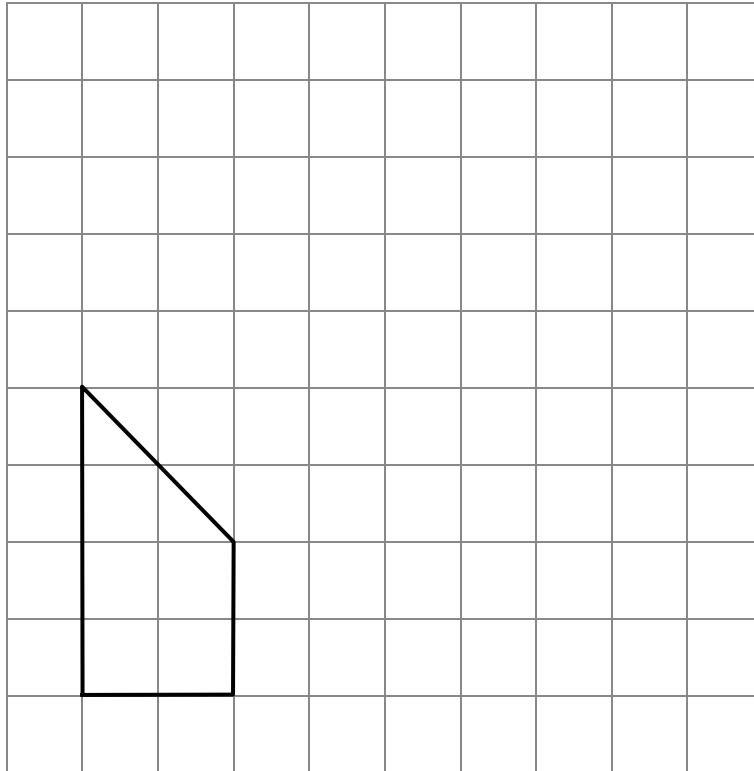
[2 marks]

Not drawn accurately

y 100°

150°

Answer _____ degrees

AQA

6 (a) Shape A is shown on the centimetre grid.

On the grid, draw an enlargement of A with scale factor 2

[2 marks]
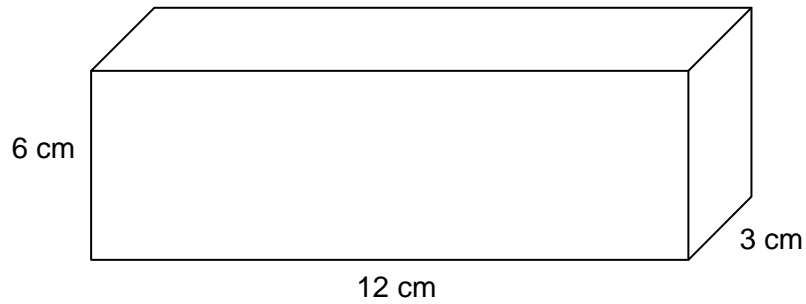

6 (b) The area of shape A is 6 cm^2

Work out the area of the enlarged shape.

[2 marks]

Answer _____ cm^2

7

Not drawn accurately

6 cm

12 cm

3 cm

7 (a) Calculate the volume of the cuboid.

State the units of your answer.

[3 marks]

Answer _____

7 (b) A cube has a surface area of 54 cm^2

How many of these cubes will fit inside the cuboid?

[4 marks]

Answer _____

END OF QUESTIONS