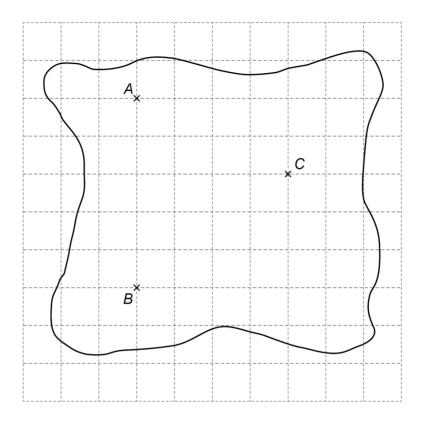
- A map of an island is shown on a centimetre grid. 1
 - A, B and C are houses.



1 (a) The actual distance between A and B is 1500 metres.

> Show that the scale on the map is 1:30000

[2 marks]

1 (b) Work out the actual distance between A and C.

Give your answer in kilometres.

[4 marks]

2 An equilateral triangle has side length 16 metres.

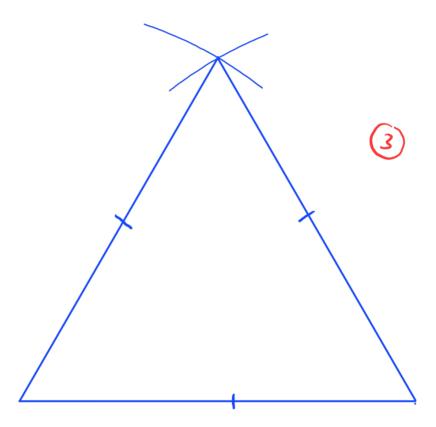
Using ruler and compasses only, construct a scale drawing of the triangle.

Use the scale

1 centimetre represents 2 metres.

[3 marks]

Scale: 1 cm represents 2 m

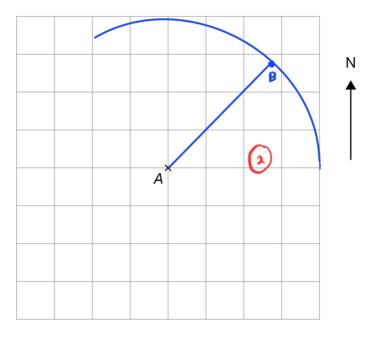


3 (a) Point *B* is 400 metres north east of point *A*.

Mark point *B* on the centimetre grid.

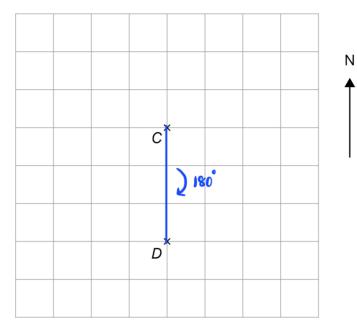
Use a scale of 1 centimetre represents 100 metres.

[2 marks]



Points C and D are shown on a different centimetre grid.





3 (b) Work out the bearing of *D* from *C*.

[1 mark]

Answer	180	()	C

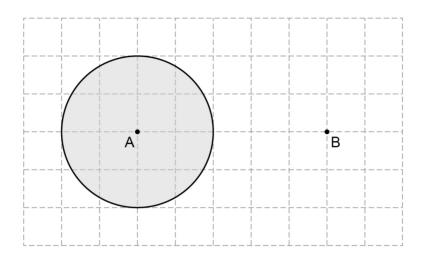
3 (c) Work out the actual distance, in metres, of *D* from *C*.

Use the scale 1:1000

[1 mark]

30 Answer ____ metres 4 (a) Towns A and B are shown on a centimetre grid.

Scale: 1 cm represents 10 miles



What does the shaded area represent?

Tick **one** box.

[1 mark]

	All the points nearer to A than to B
	All the points at least 30 miles from B
	All the points halfway between A and B
✓	All the points within 20 miles of A

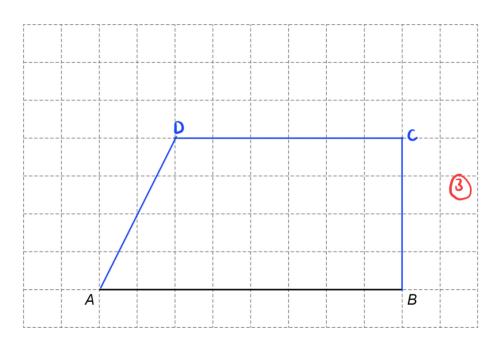
5 Quadrilateral ABCD has

- angle ABC = 90°
- *BC* = 4 cm
- CD is parallel to BA
- *CD* = 6 cm

Draw ABCD on the centimetre grid.

AB has been drawn for you.

[3 marks]



What is the **clockwise** turn from North to East?
Circle your answer.

[1 mark]

45°



270°

315°