

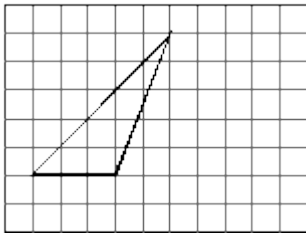
Mark schemes

- 1.** (a) $x = 155^\circ$ 1
- (b) $y = 85^\circ$
- If answers for 5a and 5b are transposed, but otherwise correct, award **ONE** mark only, in the 5b box.*
- 1
- [2]**

- 2.** Award **TWO** marks for the correct answer of 150°
- If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, eg
- $360 \div 36 = 10$
 15×10
- Calculation need not be completed for the award of the mark.*
- Up to 2
- [2]**

- 3.** (a) 55°
- If answers for 9a and 9b are transposed, but otherwise correct, award the mark for 9b only*
- 1
- (b) 25°
- 1
- [2]**

- 4.** Award **TWO** marks for any obtuse-angled triangle with an area of 7.5 cm^2 , eg



If the answer is incorrect, award **ONE** mark for any triangle with an area of 7.5 cm^2 (irrespective of angles)

Accept any obtuse-angled triangle with appropriate base and height each correct to within 2 mm

The triangle need not have vertices on the grid intersections.

Accept a triangle not drawn with a ruler, provided the vertices are correctly placed.

Up to 2

[2]