Solutions

Marking: **M1** a correct method, **A1** the correct answer, **B1** an independent mark.

Each answer shows the steps, then the **result**.

2.1

- $3.6 \times 5 =$ **18 km**

2.2

- **090**° and **225**°

2.3

- $230 - 180 =$ **050**°

2.4

- 14 m = 1400 cm; $1400 \div 200$
- = **7 cm**

2.5

- 3 km = 300 000 cm; $300\,000 \div 50\,000$
- = **6 cm**

3.1

(a)

- 4.5 m = 450 cm; $450 \div 50$
- = **9 cm**

(b)

- $1.8 \times 50 = 90$ cm = **0.9 m**

3.2

- the bearing is more than 180°, so subtract 180°
- **070**°

3.3

(a)

- bearing of P from Q is $060 + 180 = 240°$
- angle $PQR = 240° - 150° = 90°$

(b)

- $PQ =$ **6 cm**, $QR =$ **4.5 cm**

(c)

- $150 + 180 =$ **330**°