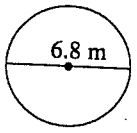
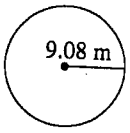
Revision & Practice Worksheet 25

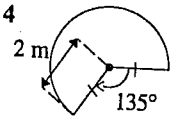
A Measurement: Circumference and area of circles

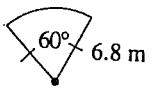
Find the perimeter and area for each of the following. Given answers to 2 decimal places.

1 

2 

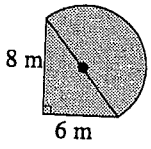
3 

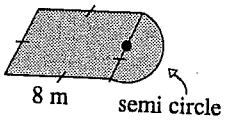
4 

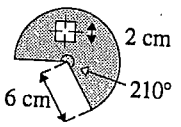
5 

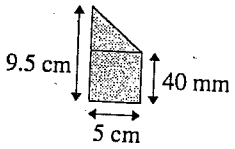
B Measurement: Composite areas

Find the shaded area to 2 decimal places.

1 

2 

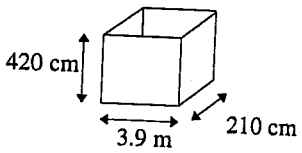
3 

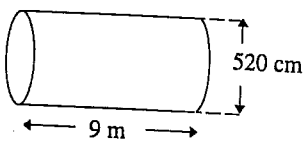
4 

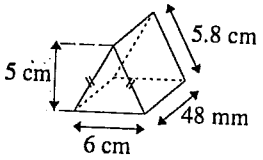
(*Hint:* Use Pythagoras' theorem)

C Measurement: Surface area of solids

Find the surface area of these open solids (each one is missing one end):

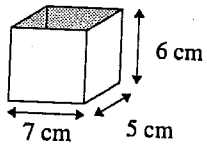
1 

2 

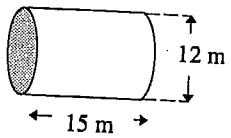
3 

D Geometry: Making accurate nets of solids

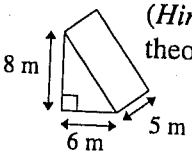
Show the nets required to make accurate models of these solids:

1 

open cuboid

2 

open cylinder

3 

(*Hint:* Use Pythogaras' theorem)

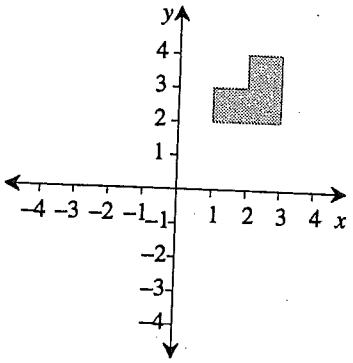
closed triangular based prism

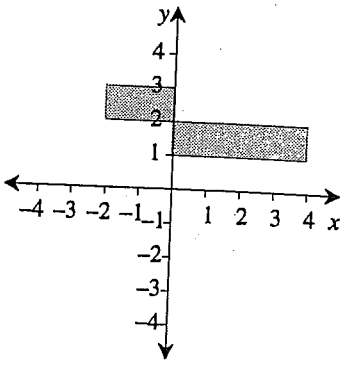
E Geometry: Moving shapes – rotation, reflection and translation

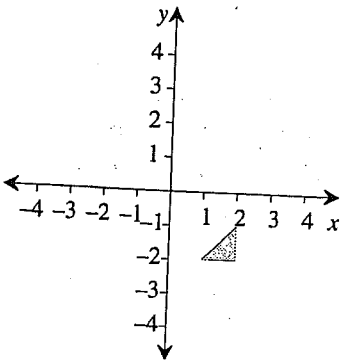
1 Rotate this shape clockwise about the origin through
(a) 90°, and (b) 180

2 Reflect this shape in
(a) the x-axis, and
(b) the y-axis

3 Translate this shape
(a) 3 units in the positive direction of the y-axis, and then
(b) 2 units in the negative direction of the x-axis.







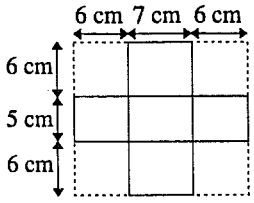
Worksheet 25

A **1** Perimeter = 21.36 m, area = 36.32 m²
2 Perimeter = 57.05 m, area = 259.01m²
3 Perimeter 10.71 m, area = 7.07 m²
4 Perimeter = 11.85 m, area = 7.85 m²
5 Perimeter = 20.72 m, area = 24.21 m²

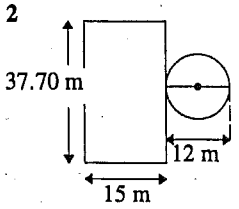
B **1** 63.27 m² **2** 73.13 m² **3** 61.97 cm²
4 33.75 cm²

C **1** 585 900 cm² or 58.59 m²
2 168.26 m² or 1 682 637 cm²
3 99.48 cm² or 9948 mm²

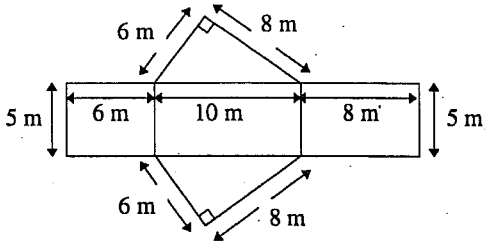
D **1**



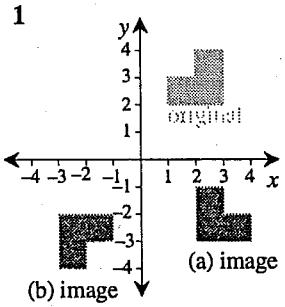
2



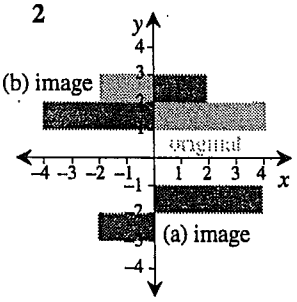
3



E **1**



2



3