

# Fully-Worked Solutions

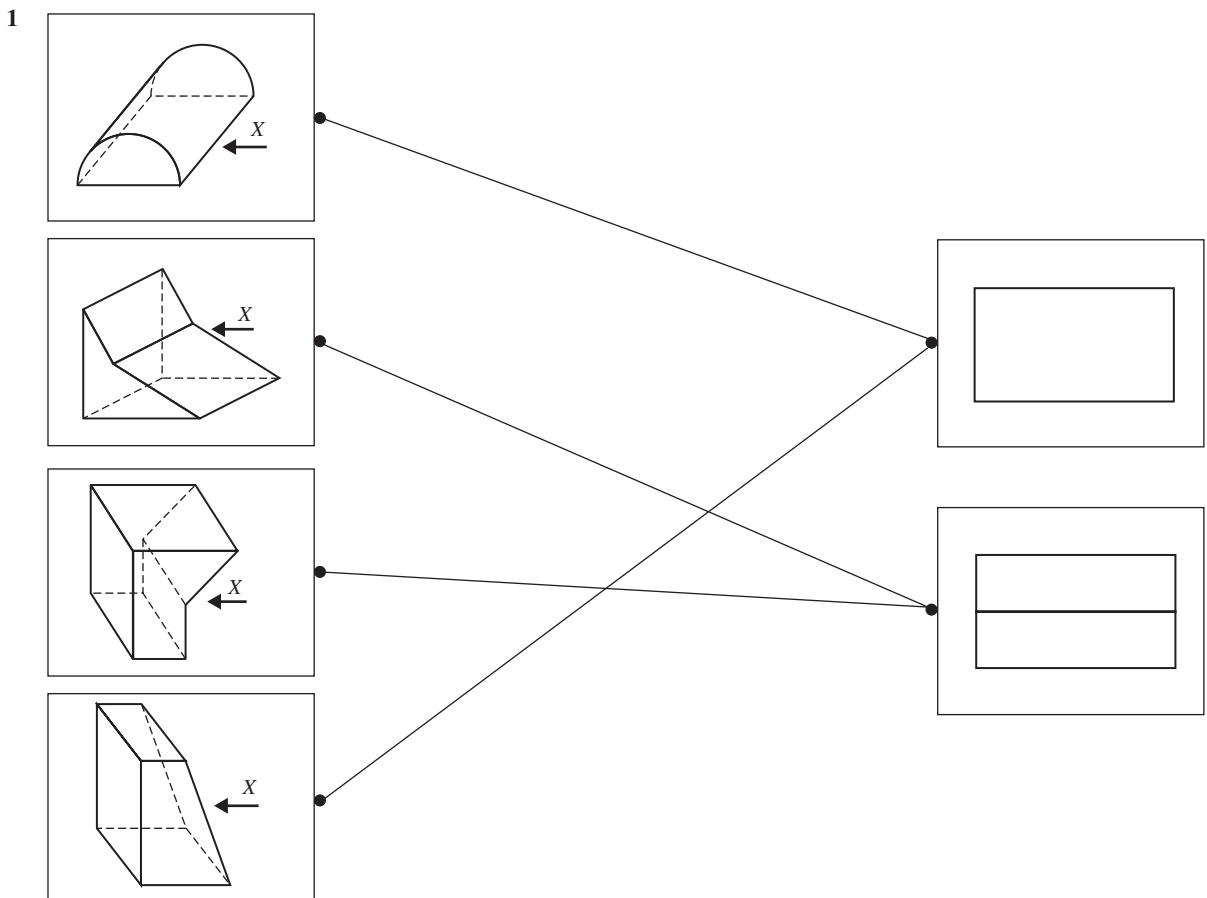
## PRACTICE 7

### Section A

- 1 C  
2 A  
3 D

- 4 C  
5 D  
6 C  
7 B  
8 C  
9 B  
10 D

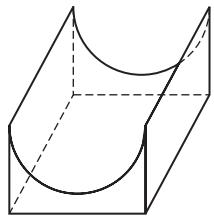
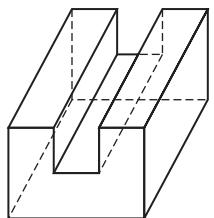
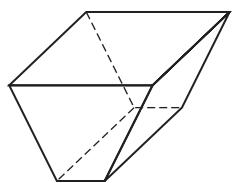
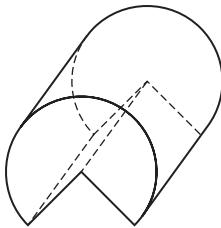
### Section B



2 (a)	Plane <i>HDCJG</i>	Plane <i>BCJI</i>
	Vertical plane	Inclined plane

(b) (i) ✓  
(ii) ✗

3 (a)

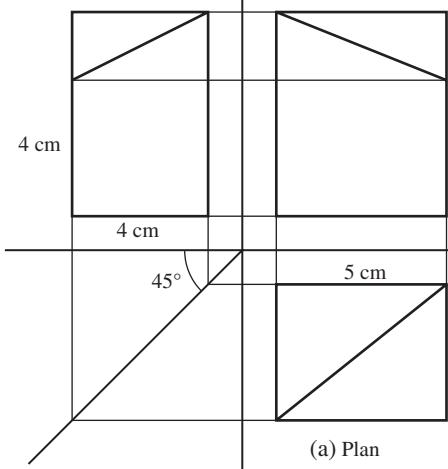


- (b) (i) FALSE  
(ii) TRUE

### Section C

1

(c) Elevation from Y



(b) Elevation from X

2 cm

4 cm

4 cm

5 cm

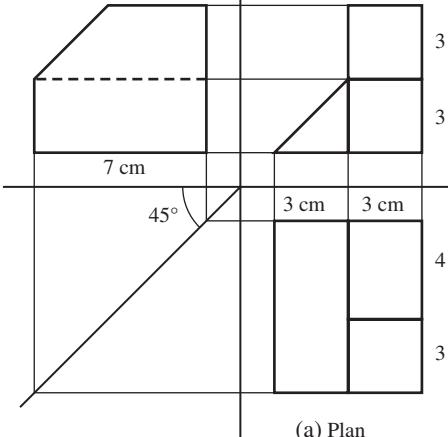
4 cm

(a) Plan

2

(c) Elevation from Y

(b) Elevation from X



3 cm

3 cm

7 cm

45°

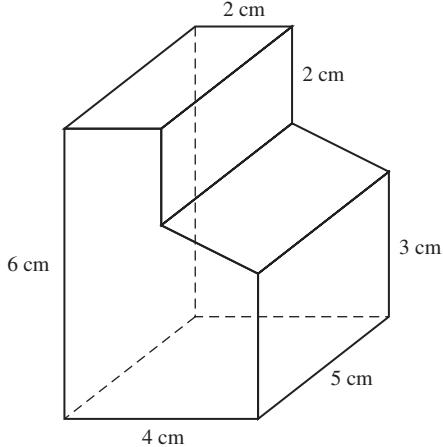
3 cm

4 cm

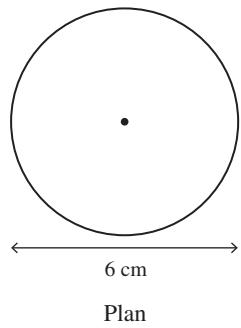
3 cm

(a) Plan

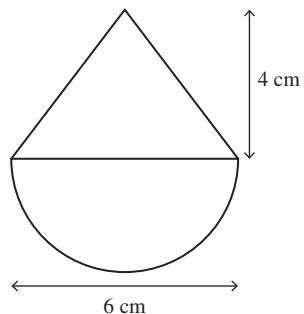
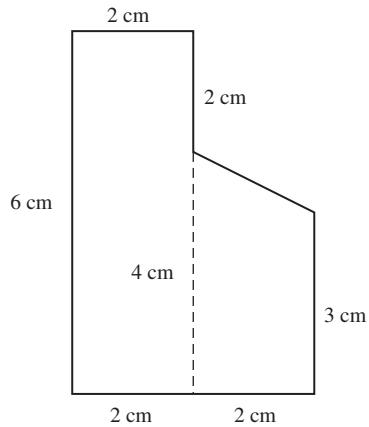
3 (a) (i)



(b)



(ii)



Front elevation

Cross-sectional area

$$= 6 \times 2 + \frac{1}{2}(4+3)2$$

$$= 19 \text{ cm}^2$$

Volume of prism = Cross-sectional area ×

Length

$$= 19 \times 5$$

$$= 95 \text{ cm}^3$$