Fully-Worked Solutions

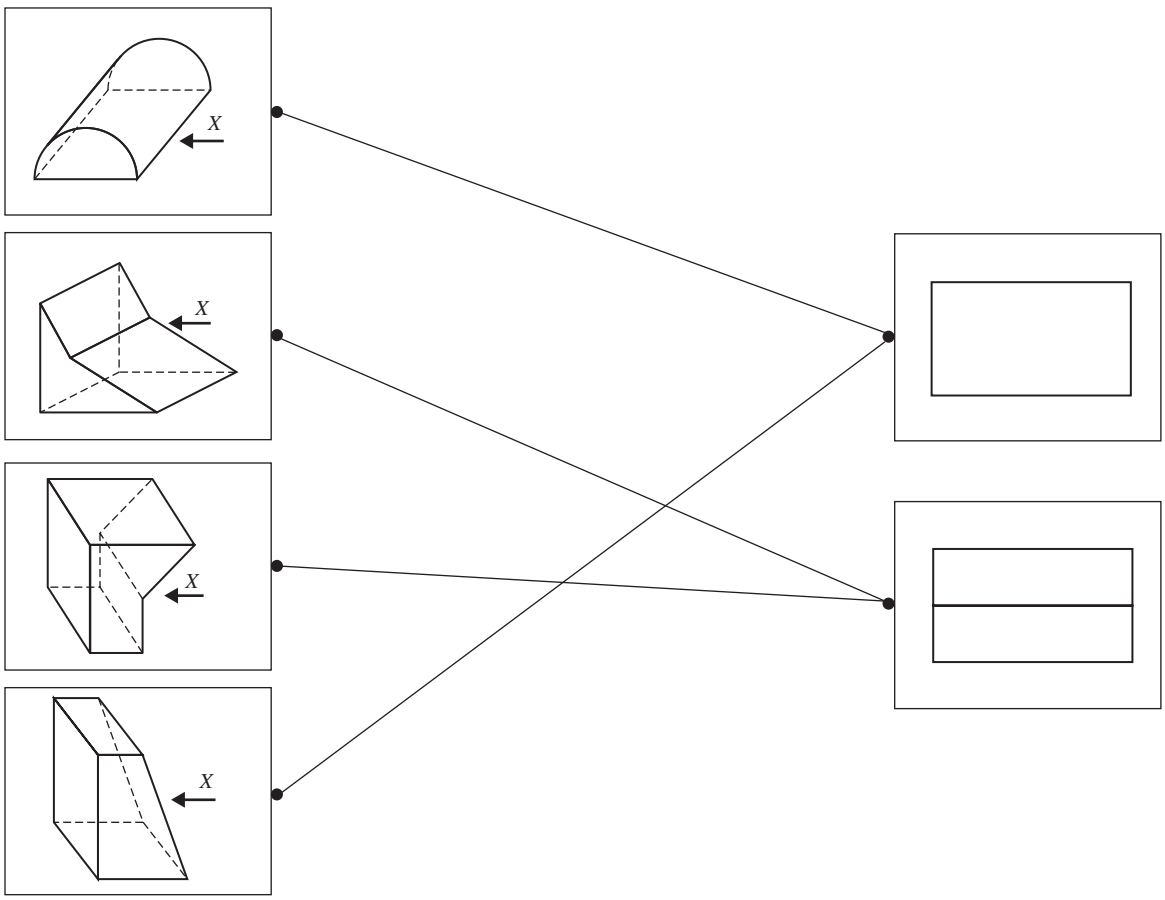
PRACTICE 7

Section A

1 C
2 A
3 D
4 C
5 D
6 C
7 B
8 C
9 B
10 D

Section B

1

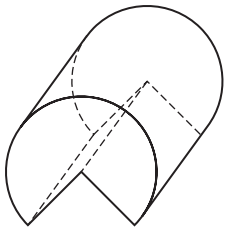


2 (a)

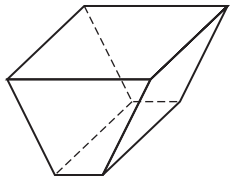
Plane *HDCJG*	Plane *BCJI*
Vertical plane	Inclined plane

(b) (i) ✓
(ii) ✗

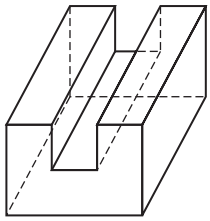
3 (a)



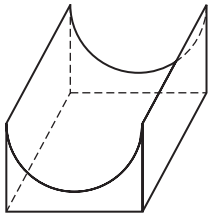
☐



✓



✓

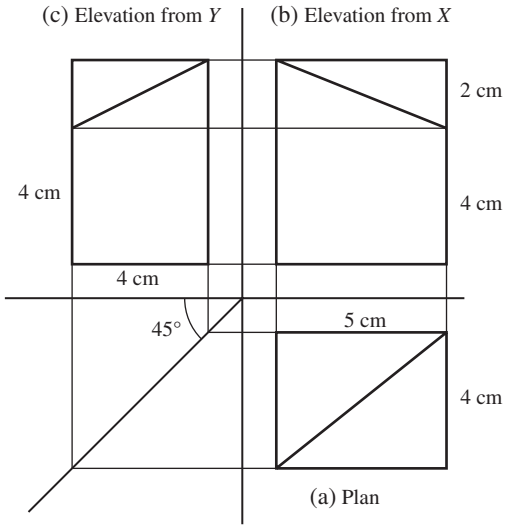


☐

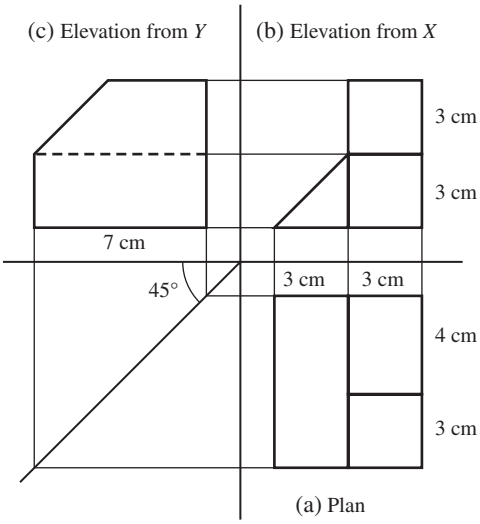
(b) (i) FALSE
(ii) TRUE

Section C

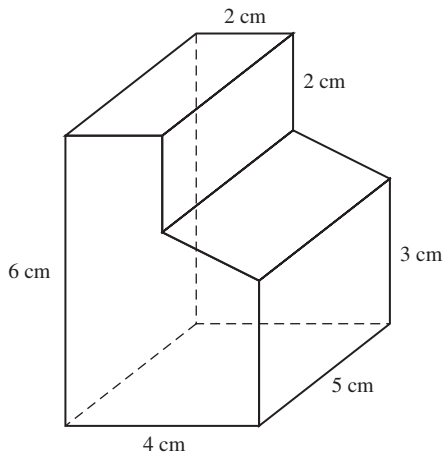
1



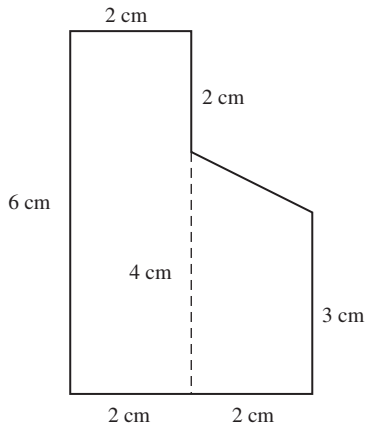
2



3 (a) (i)



(ii)



Cross-sectional area

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

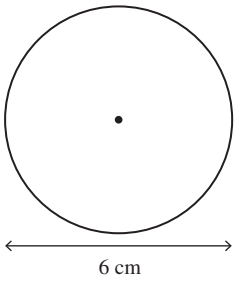
$= 19 \text{ cm}^2$

Volume of prism = Cross-sectional area × Length

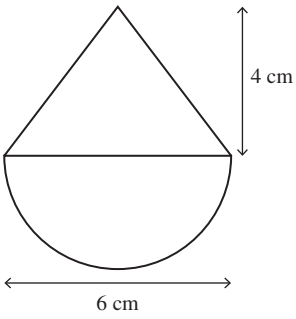
$= 19 \times 5$

$= 95 \text{ cm}^3$

(b)



Plan



Front elevation