

SI (M) HW 20

1) a) $A = l \times b$
 $= 5 \times 8$
 $= 40 \text{ cm}^2$

b) $A = l \times b$
 $= 5 \times 12$
 $= 60 \text{ m}^2$

c) $A = l \times b$
 $= 9 \times 9$
 $= 81 \text{ cm}^2$

2) a) $A = \frac{1}{2} b h$
 $= \frac{1}{2} \times 3 \times 5$
 $= 1.5 \times 5$
 $= 7.5 \text{ cm}^2$

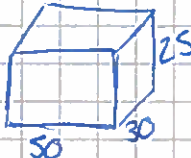
b) $A = \frac{1}{2} b h$
 $= \frac{1}{2} \times 8 \times 6$
 $= 4 \times 6$
 $= 24 \text{ m}^2$

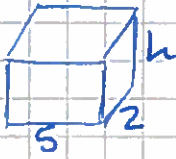
c) $A = \frac{1}{2} b h$
 $= \frac{1}{2} \times 4 \times 2$
 $= 2 \times 2$
 $= 4 \text{ cm}^2$

3) a) $A = \frac{1}{2} d_1 d_2$
 $= \frac{1}{2} \times 12 \times 5$
 $= 6 \times 5$
 $= 30 \text{ cm}^2$

b) $A = \frac{1}{2} d_1 d_2$
 $= \frac{1}{2} \times 12 \times 3.5$
 $= 6 \times 3.5$
 $= 21 \text{ cm}^2$

c) $A = l \times b$
 $= 6 \times 10$
 $= 60 \text{ cm}^2$

4) a)  $V = 50 \times 30 \times 25$
 $= 37500 \text{ cm}^3$

b)  $V = l \times b \times h$
 $30 = 5 \times 2 \times h$
 $30 = 10 h$
 $\div 10$
 $3 = h$
 $h = 3 \text{ cm}$