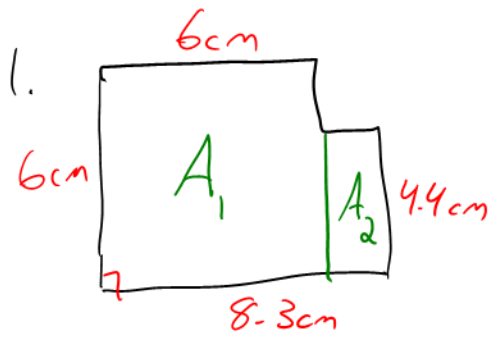


9.1) Area of Composite Figures. pg 457



$$A_1 = lw$$

$$A_1 = (6)(6)$$

$$A_1 = 36 \text{ cm}^2$$

$$A_2 = lw$$

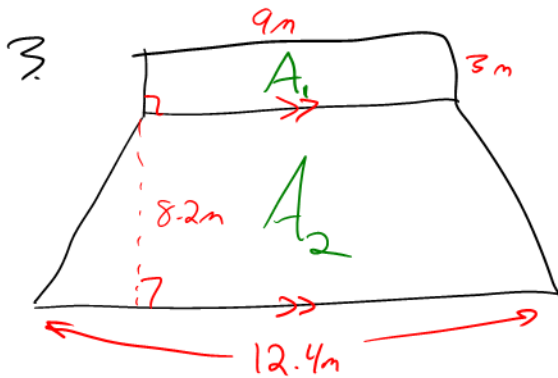
$$A_2 = (4.4)(2.3)$$

$$A_2 = 10.12 \text{ cm}^2$$

$$A = 36 + 10.12$$

$$A = 46.12$$

$$A = 46.1 \text{ cm}^2$$



$$A_1 = lw$$

$$A_1 = (9)(3)$$

$$A_1 = 27 \text{ m}^2$$

$$A_2 = \frac{(a+b)h}{2}$$

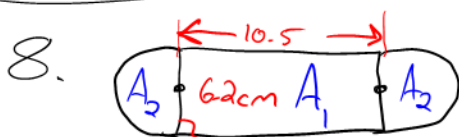
$$A_2 = \frac{(9+12.4)(8.2)}{2}$$

$$A_2 = \frac{(21.4)(8.2)}{2}$$

$$A_2 = 87.74 \text{ m}^2$$

$$A = 27 + 87.74$$

$$A = 114.7 \text{ m}^2$$



$$A_1 = lw$$

$$A_1 = (10.5)(6.2)$$

$$A_1 = 65.1 \text{ cm}^2$$

$$A_2 = \pi r^2$$

$$A_2 = (3.14)(3.1)^2$$

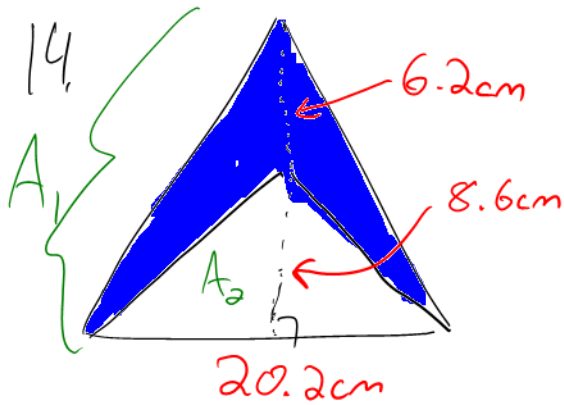
$$A_2 = (3.14)(9.61)$$

$$A_2 = 30.1754 \text{ cm}^2$$

$$A = 65.1 + 30.1754$$

$$A = 95.3 \text{ cm}^2$$

Boards pg 457 #5, 11



$$A_1 = \frac{bh}{2}$$

$$= \frac{(20.2)(14.8)}{2}$$

$$= 149.48 \text{ cm}^2$$

$$A = A_1 - A_2$$

$$= 149.48 - 86.86$$

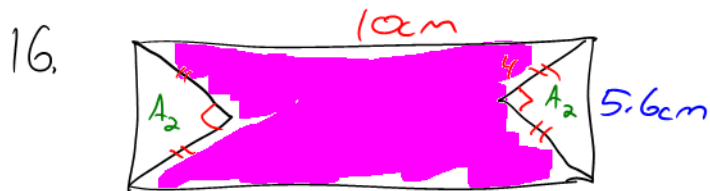
$$= 62.62$$

$$= 62.6 \text{ cm}^2$$

$$A_2 = \frac{bh}{2}$$

$$= \frac{(20.2)(8.6)}{2}$$

$$= 86.86 \text{ cm}^2$$



$$A_1 = lw$$

$$= (10)(5.6)$$

$$= 56 \text{ cm}^2$$

$$A = 56 - 16$$

$$A = 40 \text{ cm}^2$$

$$A_2 = lw$$

$$= (4)(4)$$

$$= 16 \text{ cm}^2$$



$$A_1 = \pi r^2$$

$$= (3.14)(10)^2$$

$$= 3.14(100)$$

$$= 314 \text{ cm}^2$$

$$A_2 = \pi r^2$$

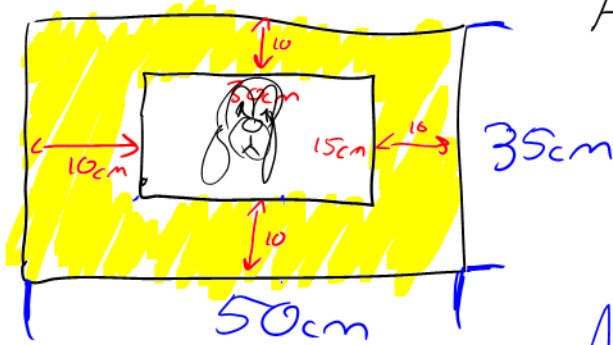
$$= (3.14)(6)^2$$

$$= (3.14)(36)$$

$$= 113.04 \text{ cm}^2$$

$$A = 314 - 113.04 = 200.96 = 201 \text{ cm}^2$$

23.



$$A_{\text{Picture}} = lw$$

$$= (30)(15)$$

$$= 450 \text{ cm}^2$$

$$A_{\text{whole}} = lw$$

$$= (50)(35)$$

$$= 1750 \text{ cm}^2$$

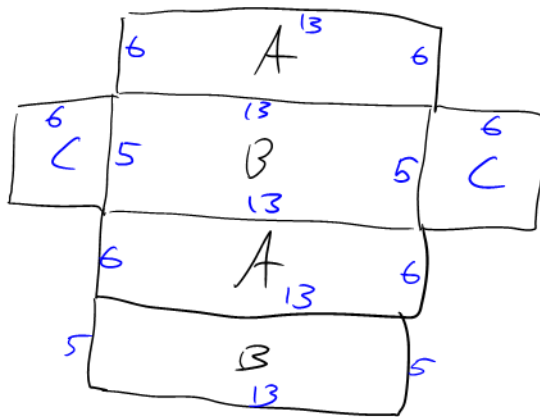
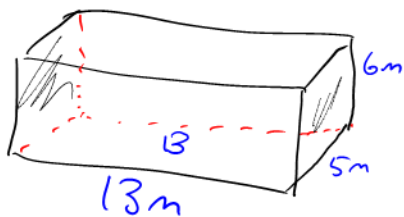
$$A_{\text{MAT}} = 1750 - 450$$

$$= 1300 \text{ cm}^2$$

9.2) Surface Area and Volume of a Prism.

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7.



$$SA = 2A + 2B + 2C$$

$$SA = 2(A + B + C)$$

$$SA = 2(13 \times 6 + 13 \times 5 + 6 \times 5)$$

$$= 2(78 + 65 + 30)$$

$$= 2(173)$$

$$= 346 \text{ m}^2$$

Homework:

pg 457 #11

pg 469 #8