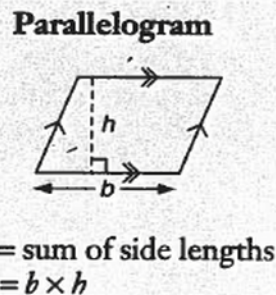
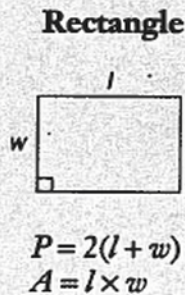
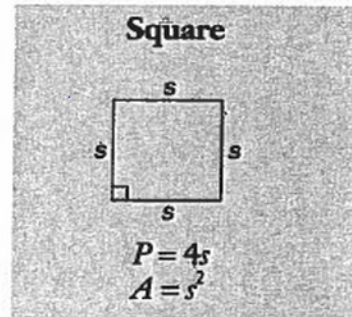
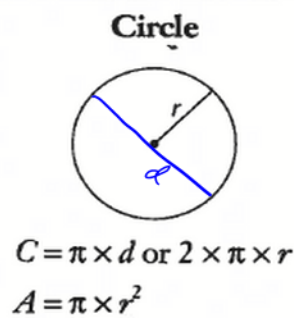
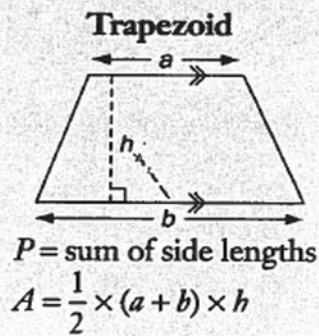
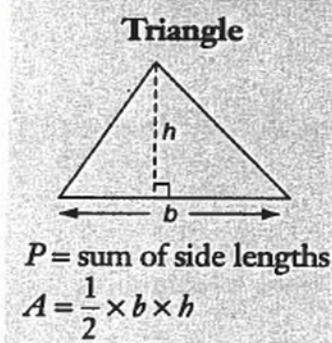


Chapter 9: Perimeter, Area, and Volume

9.0) Reviewing Formulas.



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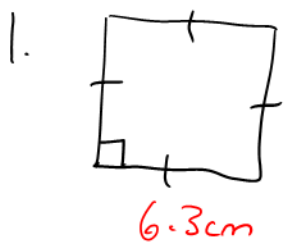


$$A = \frac{bh}{2}$$

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

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

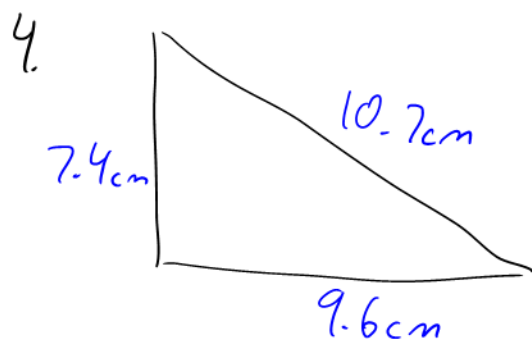
Section 1: Find the perimeter



$$P = 4s$$

$$P = 4(6.3)$$

$$P = 25.2 \text{ cm}$$

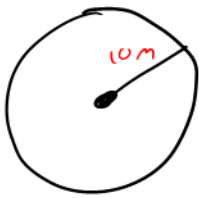


$$P = a + b + c$$

$$P = 7.4 + 10.7 + 9.6$$

$$P = 27.7 \text{ cm}$$

5.

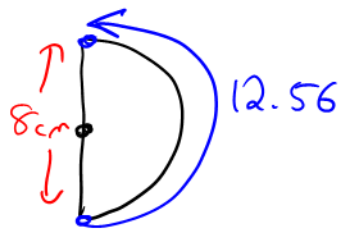


$$C = 2\pi r$$

$$C = 2(3.14)(10)$$

$$C = 62.8 \text{ m}$$

6.



$$C = \frac{\pi d}{2} + d$$

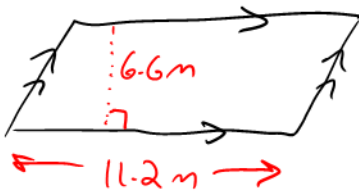
$$C = \frac{(3.14)(8)}{2} + 8$$

$$C = 12.56 + 8$$

$$C = 20.56 \text{ cm}$$

Section Two: Calculate the Area.

2.



$$A = bh$$

$$A = (11.2)(6.6)$$

$$A = 73.92$$

$$A = 73.9 \text{ m}^2$$

3.



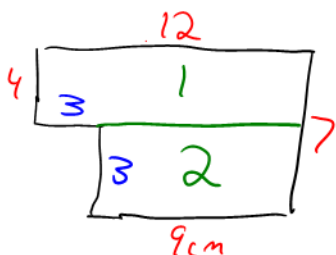
$$A = \frac{bh}{2}$$

$$A = \frac{(8.8)(6.2)}{2}$$

$$A = 27.28$$

$$A = 27.3 \text{ cm}^2$$

Section #3. Find P and A



$$P = 4 + 12 + 7 + 9 + 3 + 3$$

$$P = 38 \text{ cm}$$

$$A_1 = lw$$

$$A_1 = (12)(4) \\ = 48 \text{ cm}^2$$

$$A_2 = lw$$

$$= (9)(3) \\ = 27 \text{ cm}^2$$

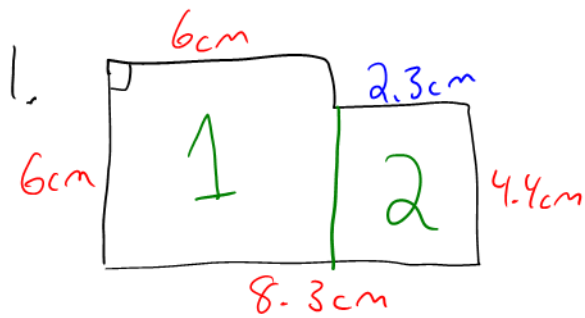
$$A = 48 + 27 \\ = 75 \text{ cm}^2$$

You do pg 955 Section 2 #4,5
Section 3 #5

Steps to solve

1. Write down formula
2. Plug in the information
3. Work it out
4. Give answer with units.

9.1) Areas of Composite Figures.



$$A_1 = lw$$

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

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

$$A_2 = lw$$

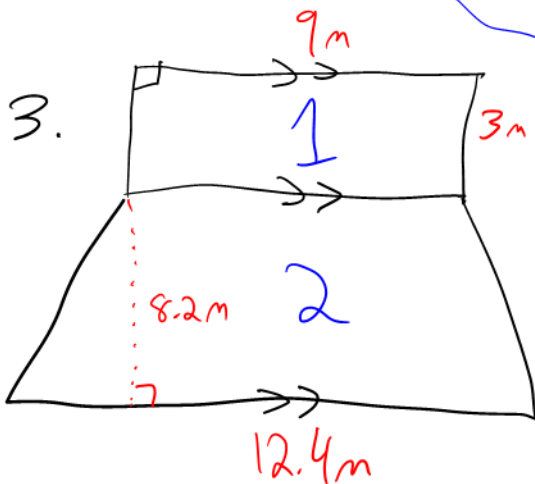
$$A_2 = (2.3)(4.4)$$

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

$$A = 36 + 10.12$$

$$A = 46.12$$

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



$$A_1 = lw$$

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

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

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

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

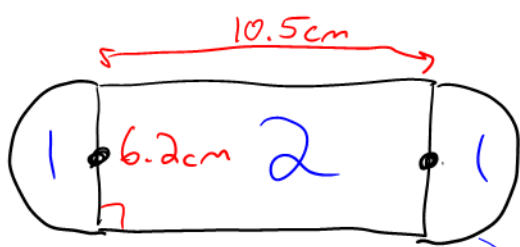
$$A_2 = \frac{175.48}{2}$$

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

$$\therefore A = 27 + 87.74$$

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

8.



$$A_1 = \pi r^2$$

$$A_1 = (3.14)(3.1)^2$$

$$A_1 = (3.14)(9.61)$$

$$A_1 = 30.1754 \text{ cm}^2$$

$$A_2 = lw$$

$$A_2 = (10.5)(6.2)$$

$$A_2 = 65.1 \text{ cm}^2$$

$$\therefore A = 30.1754 + 65.1$$

$$A = 95.2754$$

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

You do #5
pg 457

Homework: pg 454 All
pg 457 2, 4, 6, 7