## **Rectangular Solids:**

- A. Definitions
  - A <u>rectangular solid</u> is a 3-dimensional figure in which all 6 sides are made up of rectangles.
- B. Basic Memorizations

Surface Area = 2lw + 2lh + 2wh

Volume = lwh

- C. Examples
  - Ex [1] Find the surface are of a rectangular solid with height 5cm, length 4cm, and width 2cm. \_\_\_\_\_ cm<sup>2</sup>
    - a. The answer is 2(5)(4) + 2(5)(2) + 2(4)(2) = 40 + 20 + 16 = 56.
  - Ex [2] Find the volume of a rectangular solid with height 4cm, length 4cm, and width 3cm. \_\_\_\_\_ cm<sup>2</sup>.
    - a. The answer is  $4 \times 4 \times 3 = 48$ .