

1.2 Translating Words to Formulas

formula - Special equation that expresses a relationship or rule between 2 or more quantities

Example:

1. The perimeter of a rectangle (P) is equal to twice the length (l) increased by twice the width (w).

$$P = 2l + 2w$$

2. The volume of a cylinder (V) is equal to π times the radius (r) squared times the height (h).

$$V = \pi r^2 h$$

3. The surface area of a cylinder (A) is equal to the product of twice π times the radius (r) times the sum of the radius (r) and the height (h).

$$A = 2\pi r(r + h)$$

4. Energy (E) is equivalent to mass (m) times the speed of light (c) squared.

$$E = mc^2$$

HOMEWORK

Worksheet HW 1.2
Translating to Formulas