MATHEMATICAL MODELING

Mathematical Modeling Functions

- Identifying and defining problems
- Making assumption and identifying variables
- Applying mathematics to solve problems
- Refining mathematical models
- Verifying and interpreting solution in the contexts of the problem
- Presenting the findings

Linear Functions

$$f(x) = ax + b$$

Quadratic Functions

$$f(x) = ax^2 + bx + c$$

Exponential Functions

$$f(x) = ab^x$$