Introduction to Linear Algebra

1.1 Data Structure for Algebra

Algebra is arithmetic numbers including non-numerical entities like x :

*e.g.:* **2x** + 5 = 25

2x + 5 **– 5 =** 25 **– 5**

2x = 20

x = 20/2

x = 10

then we could solve the problem of 2x + 5 =25 to be like **2(10) + 5 = 25**

If there is an exponential in the equation, thus, it cannot be categorized as linear algebra.