

Simple Calculations with Scalar Variables

$$A := 6$$

$$B := 9$$

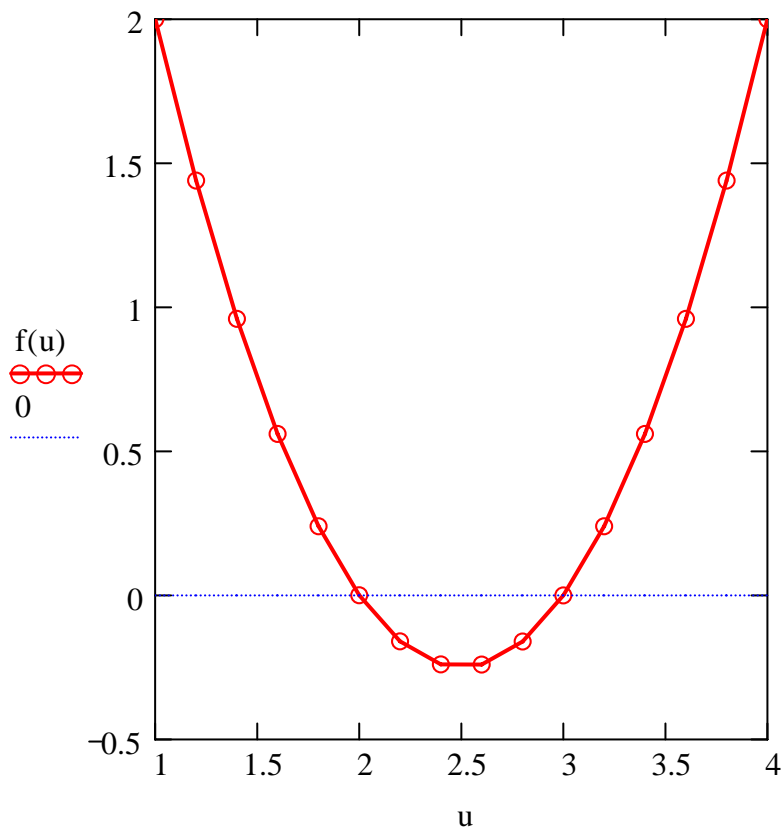
$$X := \left(\frac{A + \sqrt{B}}{3} \right)^2$$

$$X = 9$$

Simple Calculations with Vectors

$$u := 1, 1.2 \dots 4$$

$$f(x) := x^2 - 5 \cdot x + 6$$



u =

	1
1	1
2	1.2
3	1.4
4	1.6
5	1.8
6	2
7	2.2
8	2.4
9	2.6
10	2.8
11	3
12	3.2
13	3.4
14	3.6
15	3.8
16	4

f(u) =

2
1.44
0.96
0.56
0.24
0
-0.16
-0.24
-0.24
-0.16
0
0.24
0.56
0.96
1.44
2

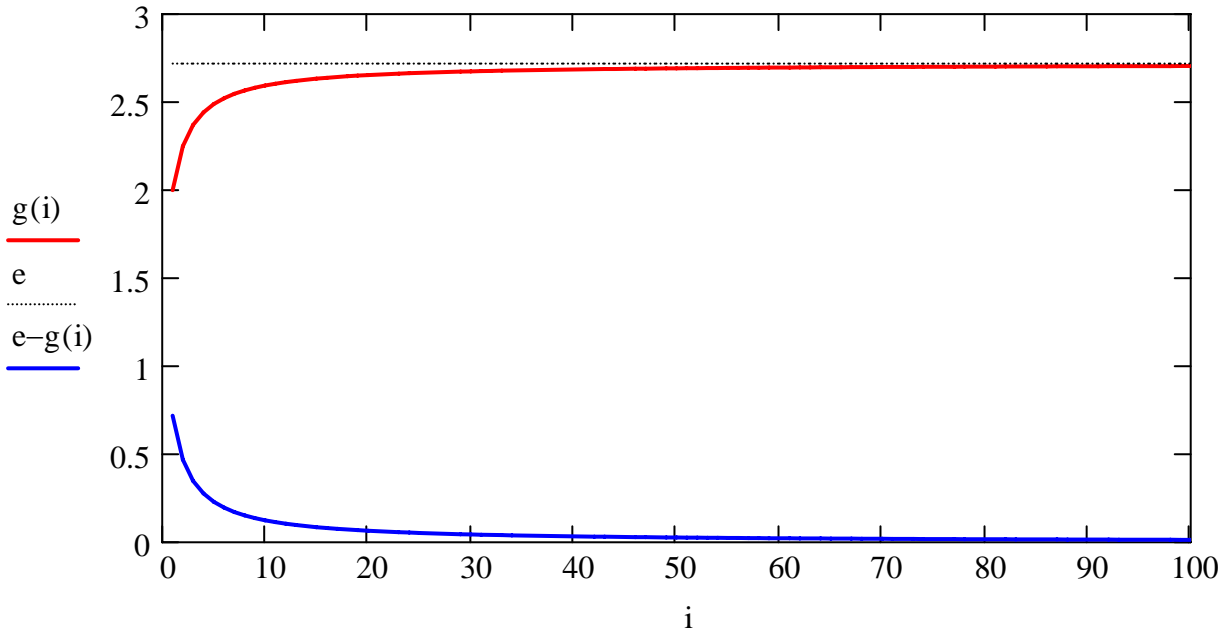
Simple Functions

$$g(x) := \left(1 + \frac{1}{x}\right)^x$$

$$g(100) = 2.705$$

$$e = 2.718$$

$$i := 1..100$$



$$\text{Sin}(x) := x - \frac{x^3}{3!} + \frac{x^5}{5!} - \frac{x^7}{7!}$$

$$\text{Sin}(1) = 0.84146825$$

$$\sin(1) = 0.84147098$$

$$\text{Sin}(x, N) := \sum_{n=0}^N (-1)^n \cdot \frac{x^{2n+1}}{(2n+1)!}$$

$$\text{Sin}(1, 5) = 0.84147098$$

$$j := 2..12$$

