1 This is a section

This is an inline equation: $x^2 = -1$.

This is a centered equation:

$$a^2 + b^2 = c^2.$$

This is a numbered equation:

$$\lim_{n\to\infty} \frac{1}{n} = 0. \tag{1}$$

This is an aligned equation:

$$\int_0^1 2x\,dx = x^2\Big|_{x=0}^1 \tag{2}$$

$$= 1 \tag{3}$$

This is how to cite the above equation: (1) & (2).

Theorem 1. *This is a theorem environment.*

Corollary 2. *This is a theorem-like environments.*

This is how to cite the above theorem: 1 & 2.

Proof. Here goes the proof. □

This is how to cite references: [1].

2 This is another section

This is an input file.

$$a + b = c \tag{4}$$

$$= d + e \tag{5}$$

References

[1] Saunders Mac Lane. *Categories for the working mathematician*, volume 5. Springer Science & Business Media, 2013.