



**UNIVERSIDAD
SERGIO ARBOLEDA**

Work's title

AUTHOR'S NAME

UNIVERSIDAD SERGIO ARBOLEDA
FACULTY NAME
CAREER NAME

CITY NAME MONTH OF YEAR



UNIVERSIDAD
SERGIO ARBOLEDA

Work's title

AUTHOR'S NAME

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THIS THESIS IS PRESENTED AS A PARTIAL REQUIREMENT TO OBTAIN THE DEGREE OF
DEGREE'S TITLE

UNIVERSIDAD SERGIO ARBOLEDA

FACULTY NAME

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CITY NAME MONTH OF YEAR

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ABSTRACT

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DEDICATION PHRASE ♥.

Acknowledgments

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Introduction

Theorem 1.1 (Theorem name). *In a right-angled triangle, the square of the hypotenuse side is equal to the sum of squares of the other two sides.*

Proof. And its proof includes the blank square at the end. □

Lemma 1.2. *The enumeration of the lemmas follows the numbering of the theorems.*

Corollary 1.3. *The enumeration of the corollaries also follows the numbering of the theorems.*

Proposition 1.4 (With or without a name). *The enumeration of the propositions also follows the numbering of the theorems. And remember that you can cite another theorems, lemmas and corollaries like 1.3.*

Theorem. *There are some theorems without number that can be used in certain cases.*

Proof. See Figure 2.2. □

1.1 NAME OF THE SECTION

Definition 1. *Definitions have their own independent enumeration.*

Axiom 1. *Axioms have their own independent enumeration.*

Example 1. *Examples have their own independent enumeration.*

Remark. *Remarks are not numbered.*

A random profound quote from a famous literary writer.

Quota's author

2

Name of the chapter multiple line

2.1 EXAMPLES OF FIGURES

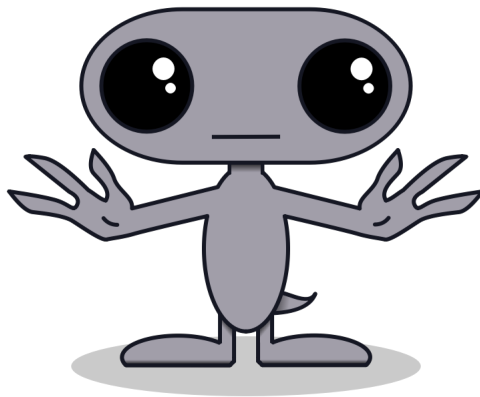
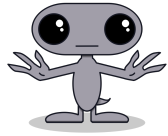
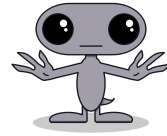


Figure 2.1: Big alien.



(a) Left alien.



(b) Right alien.

Figure 2.2: Caption of the image.

2.2 EXAMPLES OF CITATIONS AND REFERENCES TO OBJECTS

We can cite the file of references, as for the article [2]. Or sometimes refer to multiple documents on references file, like [1, 3] at the same time.

We can just reference to a figure writing something like (see Figure 2.2).

It is also possible to reference any theorem with its label, like 1.1.

We can put equations in the `\begin{align}` environment and add labels to them.

$$a^2 + b^2 = c^2 \tag{2.1}$$

If the equation has a label, is possible to reference it with (2.1).

We also can reference another chapters by their labels as well 2. Or sections like 1.1, it does not matter if they are in a different chapter than the current one.

And finally, you can find a pretty popeye alien in Figure 2.1.



Appendix name

In the appendices it is usually put tools that helped to obtain the results consolidated in the document.

If you want to put a link just use something like [SAGEMATH](#).

Also you can put code scripts if it's necessary, directly from file with the following structure

Listing A.1: Name of the code

```
1 def fib(n):
2     if n < 2:
3         return n
4     else:
5         # fn = fn-1 + fn-2
6         return fib(n-1) + fib(n-2)
```

Or if you want to write a section of code, use something like

```
>>> a = math.sqrt(2)
>>> print(a)
1.4142135623730951
```

References

- [1] Lastname, N. (2021). *Book title*, volume 1 of *Series 1*. Publisher.
- [2] Lastname1, N. & Lastname2, N. (2021). Article title. *Journal*, 1(1), 1–10.
- [3] Sloane, N. J. A. (1996). *The On-line Encyclopedia of Integer Sequences (OEIS)*. OEIS Foundation, Incorporated.

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