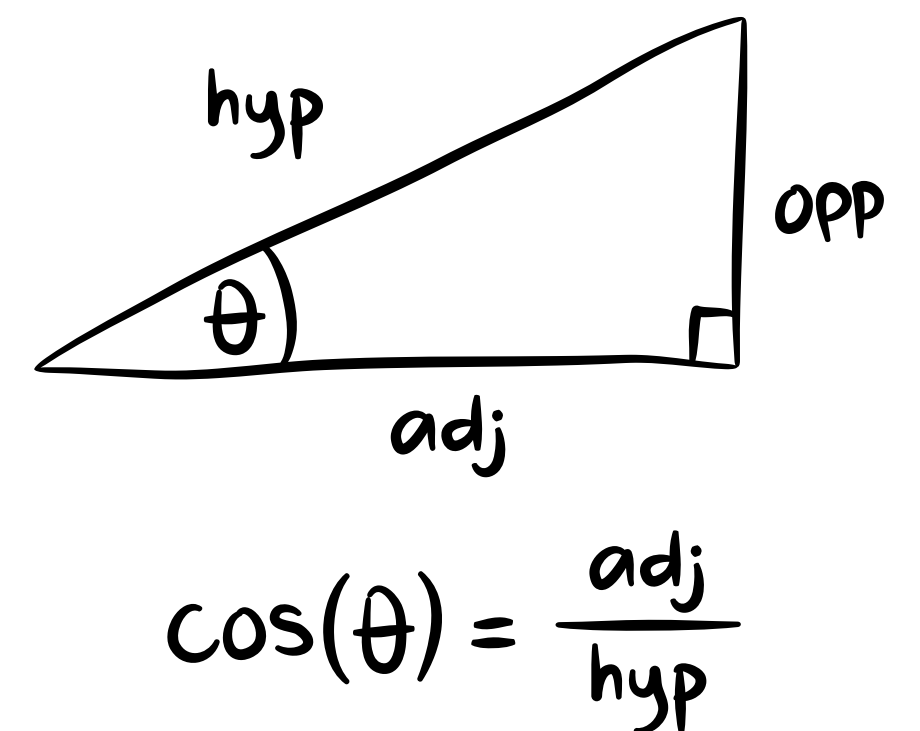# math

> The math module contains a set of methods and constants that can be used to solve more complex mathematical tasks. It is the equivalent of the scientific calculator within Python.

Some of the problems that they can help us solve are:

- **Trigonometric relations** (sine, cosine, tangent, their inverses and hyperbolics)
- **Logarithmic functions**
- **Powers and roots**
- **Combinations and permutations**
- **Rounding**
- **Factorials**

$$\cos(\theta) = \frac{adj}{hyp}$$

... among many others (we recommend you to read its documentation according to your needs!)

Some constants you will find:
- **Pi** (3.1415...)
- **e or Euler's constant** (2.7182...)
- **Tau** (6.2831...)
- **Infinity** (the mathematical concept of positive infinity)
- **Null** (NaN: not-a-number)