

# A sample worksheet

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## A section about formatting

You can write some text.

- you can make an item in a list
  - a second item
1. you can make numbered lists
  2. a second numbered item
  3. it can also be auto-enumerated

## A subsection about LaTeX

You can write some latex formula between simple backticks:  $\sqrt{1+i}$ .

You can make displaystyle formulas as follows:

$$A = \begin{pmatrix} 2 & 1 \\ 1 & 1 \end{pmatrix}.$$

## Another subsection about code

You can write inline Sage code between double backticks: `L = [1, 2, 3]`.

You can make Sage cells as follows:

```
sage: 1+1
2

sage: matrix(ZZ, [[1, 2], [3, 4]])
[1 2]
[3 4]
```

You can make an empty Sage cell as follows:

This will make a Sage cell on the jupyter worksheet, and nothing on the pdf. It is pretty convenient in an exercise block to allow the user to provide some code as an answer.

## **Another section**

You can get some more formatting on [this webpage](#)

It is pretty enough for now!