Headline

Author(s)

Location, Date

Section 1

Math

$$\mathbf{A}\mathbf{x} = \mathbf{b}; \quad \mathbf{A} = \begin{bmatrix} a_{11} & a_{12} \\ a_{21} & a_{22} \end{bmatrix}; \quad \mathbf{x} = \begin{bmatrix} x_1 \\ x_2 \end{bmatrix}; \quad \mathbf{b} = \begin{bmatrix} b_1 \\ b_2 \end{bmatrix}$$

Code

```python
for x in "banana":
    print(x)
```

Table - https://www.tablesgenerator.com/markdown_tables

Tables	Are	Cool
col 1 is	left-aligned	$1600
col 2 is	centered	$12

Section 2

- `...` from surrounded backticks `...`
- *italic* from `*italic*`
- **bold** from `**bold**`
- ~~strikethrough~~ from `~~strikethrough~~`

- **"** blockquote from `>`   **"**
- source link from `[source link](http://www.website.com)`
- and some fancy emojis 💩 from `:shit:` using words surrounded by colons

an emoji compilation for markdown is found below

https://gist.github.com/rxaviers/7360908