

L^AT_EX example

Hello

world

same

line

1. words can be

- small (footnote size) ¹

- big (Large)

2. I can create hyperlinks to websites like Google or to other locations in my document (e.g., "more on that topic later").

3. I use **array** for stuff like this:

$$\begin{aligned}\tan\left(-\frac{11\pi}{6}\right) &= \tan\frac{\pi}{6} \text{ since } -\frac{11\pi}{6} \text{ and } \frac{\pi}{6} \text{ are coterminal} \\ &= \frac{\sin\frac{\pi}{6}}{\cos\frac{\pi}{6}} \\ &= \frac{\frac{1}{2}}{\frac{\sqrt{3}}{2}} \\ &= \frac{1}{\sqrt{3}} \text{ since multiplying by } \frac{2}{2} \text{ is legal}\end{aligned}$$

4. and **tabular** for stuff like this:

$$\chi(\lambda) = \left| \begin{array}{c|c|c|c} \lambda - a & -b & -c & 4th \\ -d & \lambda - e & -f & \\ -g & -h & \lambda - i & \end{array} \right|$$

5. and stuff like this

| | | |
|-------|-------|-------|
| Lorum | ipsum | dolor |
| § | ℤ | § |

6. **second** **first**

7.



¹speaking of footnotes...

Here are the details I promised earlier.