This is my first LaTeX document

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Contents

1 Lists

Tools for making sketches:

- Pencil
  - Graphite
    - 4B
    - 8B
  - Charcoal
  - Pastel
- Paper

1. Pen
2. Pencil
   (a) Graphite
      i. 4B
      ii. 8B
   (b) Charcoal
   (c) Pastel
3. Paper

2 equations

2.1 Inline equations

The function is: $f(x) = x + 1$

The second function is:

$$f(y) = y + 2$$

The third function is:

$$f(y) = y - 5 \tag{1}$$

Superscript and subscript: $f_x = x^{y-1}$
Fraction: $x = \frac{3}{4}$
Area of a circle: πr^2
Volume of a sphere: $(\frac{4}{3})\pi r^3$

2.2 Array of equations

Array of equation:

$$f(x) = x + 1 \tag{2}$$
$$f(y) = y + 1 \tag{3}$$

3 Brackets

I have $\frac{2}{3}$ of a litre.

$$a = \left\{\frac{b}{c} + c\right\} + d$$

4 Table

x	1	2	3
$f(x)$	3	4	5

5 Graphics

6 Macros

first use of EINSTEIN equation [1] is: $E = mc^2$

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References

[1] Aparajita Dutta, Tushar Dubey, Kusum Kumari Singh, and Ashish Anand. Splicevec: distributed feature representations for splice junction prediction. *Computational biology and chemistry*, 74:434–441, 2018.