

This is an integral  $\int_3^5 x^2 dx$ . It looks pretty cool.

$$a^2 + b^2 = c^2$$

Then, we're gonna do something else:

$$\frac{d}{dx}x^2 = 2x.$$

$$1 + 1 + 1 + 1 = 1 + 1 + 2 \tag{1}$$

$$= 1 + 3 \tag{2}$$

$$= 4 \tag{3}$$

## 1 Some L<sup>A</sup>T<sub>E</sub>X Examples

I am writing math stuff.

this is a sentence.

this is another sentence.