Typesetting in LaTeX

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Problem 1.
Euler's formula, given by $e^{ix} = \cos x + i \sin x$, establishes the fundamental relationship between the trigonometric functions and the complex exponential function.

Problem 2.

$$\int_{T_0}^{T_1} x^2 dx = \frac{1}{3}(T_1^3 - T_0^3)$$

Problem 3.

$$\delta x = \sqrt{\frac{1}{N(N-1)} \sum_{i=1}^{N} (x_i - \overline{x})^2} \tag{1}$$

Problem 4.

DMM Uncertainties	
DMM Model	MASTECH MS82268
Resistance:	$\delta R = (1.2\%$ of rdg + 2 digits)
DC Voltage:	$\delta R = (0.7\%$ of rdg + 2 digits)
DC Current:	$\delta R = (1.2\%$ of rdg + 3 digits)

Problem 5.

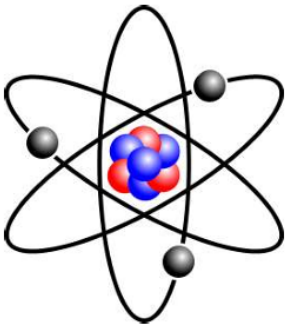

Figure 1: A picture of an atom.