1 Mathematics

1.1 Simple equations

$$is\ this$$
$$a\ matrix?$$

$$I\ do\ not\ think\ so$$
$$What\ do\ you\ think?$$

1.2 Matrices

1.2.1 Is this good?

$$\begin{matrix} n & o \\ n & o \end{matrix}$$

1.2.2 Is this better?

$$\begin{Bmatrix} S & o & m & e \\ h & o & w & ? \end{Bmatrix}$$

1.2.3 Is this the best?

$$\left\| \begin{matrix} \alpha & \beta \\ alpha & beta \\ \frac{\gamma}{\delta} & \sqrt{\theta} \\ gamma/delta & sqrt(theta) \end{matrix} \right\|$$

1.3 Sums

1.3.1 One variation

$\sum_{i=1}^{99} problem_i$

1.3.2 Another one

$$\sum_{i=1}^{1} thisNotOne$$

1.4 One last thing

$\forall\ lecture\ \exists\ student\ \rightarrow\ student\ ATTENDS\ lecture$

$\int_0^\infty \sin^2(x)dx$