Columns and Math Mode:
Acting Like a Computer Scientist*

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LaTeXhas a special mode for typesetting related to mathematics, called $MathMode$. It can be turned on many ways. $NormalMathmode$ can be contrasted with

$$\text{on its own line}$$

which typesets the segment of math mode on its own line. This can also be done with:

$$\sqrt{25} = x = 5$$

.

$$VP \rightarrow \left\{ \begin{array}{c} \text{V (NP) (AP) (PP)} \\ \text{VP PP} \end{array} \right\} \qquad (1)$$

Finally, it is sometimes useful to remember that:

We can also reference our equations, as in eq. 1, above. Some other nifty things include:

$$\frac{p_a}{w_a} \qquad (2)$$

As well as the ability to typset multi-line equations:

$$
\begin{aligned}
10xy^2 + 15x^2y - 5xy &= 5\left(2xy^2 + 3x^2y - xy\right) \\
&= 5x\left(2y^2 + 3xy - y\right) \\
&= 5xy\left(2y + 3x - 1\right) \quad (3)
\end{aligned}
$$

Brown for 1st course, white for pudding. X_s.

$$X'' \rightarrow YPX' \qquad (4)$$