LaTeX test

If you want to make a handout showing how to do stuff in LaTeX, it's pretty easy to do. This is one instance where it is convenient to define a new "language" so that we have a choice of two formats.

Stacked format

If we use the `TeX` language, we get a stacked format

```
To solve the equation $ax^2 + bx + c=0$, use
\begin{equation}\label{qe}
  x = \frac{-b \pm \sqrt{b^2 - 4ac}} {2a}
\end{equation}
Equation~(\ref{qe}) is called the \emph{quadratic formula}.
```

To solve the equation $ax^2 + bx + c = 0$, use

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \tag{1}$$

Equation (2) is called the *quadratic formula*.

Side-by-side format

If we use the `tex` language, we get a side-by-side display:

```
To solve the equation
$ax^2 + bx + c=0$, use
\begin{equation}\label{qe}
  x = \frac{-b \pm \sqrt{b^2 - 4ac}} {2a}
\end{equation}
Equation~(\ref{qe}) is called
the \emph{quadratic formula}.
```

To solve the equation $ax^2 + bx + c = 0$, use

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \tag{2}$$

Equation (2) is called the *quadratic formula*.