#### Math 235: Calculus Lab

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Whitman College

Week 4

# More on Writing, Intro to Lab

#### Punctuation

Remember to include a period at the end of a sentence.

... For instance, below is a perfectly good complete sentence.

$$1 + 1 = 2$$
.

#### The Right Sized Parentheses

Use \left( \right) for parentheses that will automatically size up:

#### Example:

 $\left(\frac{3x}{2}\right)$ 

$$\sin(\frac{3x}{2})$$
 vs  $\sin(\frac{3x}{2})$ 

To include Maple code, use the "verbatim" command. That is, use \begin{verbatim} and \end{verbatim} and in between, put your Maple code.

```
f:=sin(x)+cos(x);
df:=diff(f,x);
plot([f,df],x=-3..10);
```

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- Cycles initialized at birth.

#### Our Model

- ▶ Remember that the cycles start on the day of your birth.
- ▶ Amplitude will be 100 (graph goes between  $\pm 100$ ).
- Overall goal of the lab: Create a personalized biorhythms chart for yourself!

(The lab will lead you through the process. Answer the questions as you go along. You may work in groups of up to three.)

#### Week 4 Lab

- ► Familiarize yourself with the new Maple commands for today.
- ► Lab Week 4 discussion: Biorhythms.

  Due: We'll take next week to work on these as well, so they won't be due until the 21st.