

## HOMEWORK 2

EVAN DRAKE

### 1. QUESTION 1

Please explain to me some pseudocode for the function summation. If you are not familiar with the function please look here: <https://en.wikipedia.org/wiki/Summation>. Recall this is not so much about doing it correctly than it is about breaking the function down into some mixture of English and mathematics.

### 2. QUESTION 2

Please write some python that will print: “hello world”. We did this in lab on Tuesday the ninth, if you are worried please lookup the **print** command in Python. Please explain your code with some English.

### 3. EXTRA CREDIT

Take an arbitrary function from any field of math that you like and break it down. This could be as simple as something like the power series:

$$\sum a_n x_n$$

Or something as complex as the Ariy function:

[https://en.wikipedia.org/wiki/Airy\\_function](https://en.wikipedia.org/wiki/Airy_function). This is not about being right, rather this is about thinking through your process critically. Please use pseudocode and/or english to talk about these functions and explain them. P.S. this may take a multitude of pages and that is ok.

COMPUTER SCIENCE DEPARTMENT, BUTTE COLLEGE, ORVILLE, CA 95972  
*Email address:* drakeev@bute.edu