Lecture 10 Handout – Part II

**Understanding Summation Notation**

Suppose you have the following expression:

What is the 4th term?

What is the 8th term?

What is the ith term?

Because I am a good mathematician, I am lazy and quickly tire of having to write all those terms. Instead I will write, using summation notation,

How would you write the expression 1 + 2 + 3 + 4 + 5 , using summation notation?

What does this expression mean

What about

A slightly tougher one

Here is a slightly different one

The penultimate one

Finally the biggie