

**COMP1001 – Problem solving in IT**  
**Due Date: 5:00pm, Friday, 7 October 2016**  
**Assignment 3 (30 marks)**

1.

Function operation(input: count):

If count is larger than 8

Return 1

Else return  $\sqrt{2 + operation(count + 1)}$

Function main:

Estimated\_pi =  $768 * \sqrt{2 - operationr(1)}$

Print "The estimated pi is Estimated\_pi"

Print "The actual pi is Actual\_pi"