

# MATH 123: Assignment 1

My Name

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## Problem 1

| *Do something.*

### Part 1

| *Do something specific.*

Example algorithm:

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```
01 function QUICKSORT( $A, l, r$ )
02   if  $l \geq r$  then
03     return
04   end
05    $m := \text{PARTITIONINPLACE}(A, l, r)$ 
06   QUICKSORT( $A, l, m - 1$ )
07   QUICKSORT( $A, m + 1, r$ )
08 end
```

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Some text.

### Part 2

| *Do something else.*

More text...