

Math 240, Quiz 6

Name:

Circle One: T 12:05   T 2:25   R 12:05   R 2:25

Instructions: Answer all questions fully, showing work where necessary.

1) Let  $f(n)$  be the sum of the first  $n$  squares (i.e.  $f(n) = \sum_{i=1}^n n^2$ ). Give a recursive definition of  $f$ .

2) Give a recursive algorithm for finding the maximum of a finite set of integers.