## COP4530 – Data Structures, Algorithms and Generic Programming

### Recitation 10

### Date: October 26 & 30, 2009

1. Solve the time complexity for the following. Show all steps.

   $g(n) = 0$     if $n < N_1$

   $g(n) = 5 + 2\ g(n/3) + 3\ g(n/3)$

2. Write code for the recurrence given above