

**MATH 2602 K1-K3, Quiz 4, March 5**

SHOW ALL YOUR WORK TO RECEIVE FULL CREDIT!

**Name:** \_\_\_\_\_

**Problem 1 :** Solve the recurrence relation  $a_n = 4a_{n-1} - 4a_{n-2} + n$ ,  $n \geq 2$ , given  $a_0 = 5, a_1 = 9$ .

**Problem 2:** How many integers between 1 and 100 are divisible by at least one of the three integers 4, 6, and 15?