

MATH 254 – Final Exam – Take-home part

due 31 March 2009

All calculations must be done using Excel. This take-home portion is worth 10% of your grade on the final exam. Please email your work on this portion to me at stephenbrill@yahoo.com by 1300 on 12 May 2009. GOOD LUCK!

- 1) Begin by generating 10,000 random integers in the range 0 to 9, inclusive. Excel's FLOOR command may prove handy for this. These should be in 1000 rows of 10 each.
- 2) For each row, count the number of integers that are greater than 4. Excel's COUNTIF command may prove handy for this.
- 3) In Exercise 2) above, you created a column of 1000 numbers, each of which is an integer 0 to 10, inclusive. Now create a histogram for the frequency of how often each of these numbers 0 to 10 occurs.
- 4) Describe the appearance of your histogram.