

# MATH 254 – Test 2 – Take-home part

due 31 March 2009

All calculations must be done using Excel. Please email your work to me at [stephenbrill@yahoo.com](mailto:stephenbrill@yahoo.com) by 1215 on 31 March 2009. GOOD LUCK!

1) Consider Table 2.4 on page 100 for “Run 8903”. Compute the regression line two different ways:

a) Tell Excel what calculations to do. You may use such Excel commands as AVERAGE, STDEV, and CORREL.

b) Have Excel create a scatterplot of the data. Then add the trendline and have Excel compute an equation of the trendline

All of this work should be on a single spreadsheet.

2) In Section 3.4 of our textbook, we learned about institutional review boards (IRBs). Do some research about Boise State’s IRB and write a short report about it.

3) From a population of 50 people, a simple random sample (SRS) of 6 people must be selected. Use Excel’s RAND command to accomplish this. Make sure your spreadsheet shows all the steps you used.