

## ECON 2113 Business Statistics

### Final Assignment

Students in a college course take a common final exam. The exam scores are normally distributed with a mean of 76 and a standard deviation of 8.

Bob scored an 88 and Tom scored a 69.

- a.) Determine the z-score for Bob. Round to the nearest hundredth.
- b.) Determine the z-score for Tom. Round to the nearest hundredth.
- c.) Determine the area under the curve between Bob's z-score and the mean. Change the area to a percentage.
- d.) What percent of students scored lower than Bob? Show your work.
- e.) What percent of students scored lower than Tom? Show your work.

Email your solutions to these questions. You may type them in an email or scan your work and email. Good luck!