

You will have a short quiz on Tuesday, February 20 that will include exercises similar to some the following questions. You do not need to turn in your answers to these questions.

Drill Section 12.4.

- State the definition of a random variable (page 709).
- Probability distributions: Exercises 1 and 2 page 717
- Histograms: Exercises 3 and 4 page 718
- State the formulas for expected value, variance and standard deviation of a random variable.
- Expected values and standard deviations: Exercises 5-12

Drill Section 13.1

- State the definition of a probability density function (page 731).
- Determining if a given function is a probability density function: Exercises 1-10 page 735. (Check that the function is positive on the given interval, and that its integral is equal to 1 on the given interval.)
- Choosing a constant to make a function into a probability density function: Exercises 11-18 page 735.