Exam 2 Topics

• Properties of discrete and continuous probability distributions
• TI-83 calculation of $\bar{x}$ and $S$ for a sample of data (i.e., Chapter 2 measures)
• TI-83 calculations of $\mu$ and $\sigma$ for a discrete probability distribution
• Distinction between $\bar{x}$ and $\mu$, and between $S$ and $\sigma$
• Significance of $\mu$ for a discrete probability distribution (Expected Value of a random variable)
• Distinction between discrete and continuous random variables, and between discrete and continuous probability distributions
• Translating English statements into probability statements and vice versa
• Use of normalcdf for normal distribution probability calculations
• Use of invNorm for inverse normal distribution probability calculations
• Meaning and calculations of $z$-scores for a normal distribution