

University of South Carolina
Math 170: Finite Mathematics
Section 006
Spring 2012

Test 3 Study Guide

Section 8.1

- Find probability distributions for finite random variables. (# 21, 25, 33)

Section 8.2

- Find probability distributions for binomial random variables. (# 23, 25, 29, 35)

Section 8.3

- Find sample mean for a set of data. (# 1)
- Find expected value for a finite random variable. (# 33, 41, 45)
- Find expected value for a binomial random variable. (# 49)

Section 8.4

- Find sample variance for a set of data. (# 1)
- Find variance for a finite random variable. (# 25, 33)
- Find variance for a binomial random variable. (# 43)
- Apply Chebyshev's Rule and Empirical Rule to sets of data. (# 25, 33, 41, 43)

Section 8.5

- Find areas under a normal curve by standardizing and looking up the value in a table. (# 27, 29, 37)

Section 5.1

- Solve problems involving the simple interest formula. (# 13, 15)

Section 5.2

- Solve problems involving the compound interest formula. (# 21, 31)

Section 5.3

- Solve problems involving the sinking fund formula. (# 7)
- Solve problems involving the annuity formula. (# 13)
- Solve problems involving installment loans (using the annuity formula). (# 41)