Chapter 11 Review

11.2
Use the simple interest formula to solve for any missing variable
Use the future value of simple interest formula to solve for any missing variable
Use the compound interest formula to solve for any missing variable except n

11.3
Use the monthly payment of an installment loan formula to solve for any missing variable
Calculate the finance charge on a credit card using the unpaid balance method
Calculate the finance charge on a credit card using the average daily balance method

11.4
Use the future value of an ordinary annuity formula to solve for R, A, or t

11.5
Use the amortized loan formula to solve for R or P
Construct the first several lines of an amortization schedule
Calculate the unpaid balance of an amortized loan
Calculate the new payment and amount of savings from refinancing an amortized loan

Study Problems: all the assigned homework and pages 671-672
Final Review

Eulerize the given graph and find an Eulerian circuit starting at a given vertex
Use the best edge algorithm to find a Hamilton circuit
Use the nearest neighbor algorithm to find an appropriate minimal Hamilton circuit
Find the standard deviation of the given data
Give the five-number summary for the data set and draw a box-and-whisker plot
Use the z-score formula to find the percentage of area under the standard normal curve
Use the Huntington-Hill numbers listed in a table to assign seats as indicated
Use the Hamilton method to make the apportionment
Use the method of sealed bids to determine how the items and cash are distributed
Calculate the Banzhaf power index for each voter in the weighted voting system
Determine the winner using the Borda count method and rank the candidates
Determine if the Condorcet’s Criterion has been violated