

Review 1:

This review is meant as a general overview of SOME of the topics covered in class up to date. The test questions will not only cover this material but will also cover sections 9.1-9.5, 13.1-13.8, & 14.1-14.4 and outside material covered in class. You should know all **definitions** and **techniques** outlined in the text, and be comfortable with the properties and examples throughout the above sections as well as know how to solve the exercises and homework problems. Good sample problems can be found in your homework assignments, lecture notes, and class handouts, as well as the before mentioned places.

1. You must know the following definitions & theorems:

C-09: Agenda, Arrow's Theorem, Borda System, Condorcet System, Condorcet winner, Condorcet paradox, CWC, Dictatorship, Hare System, Imposed Rule, IIA, Majority Rule, May's Theorem, Minority Rule, Monotonicity, Pareto's condition, Plurality System, Plurality Runoff System, Preference list ballot, Rank Based Systems, Sequential Pairwise System.

C-13: Adjusted Winner, Bottom-Up, Cake-Division, Divide-and-Choose, Envy-Free, Equitable, Knaster Inheritance, Last-Diminisher, Lone-Divider, Organ Donation, Pareto-Optimal, Priority Paradox, Point Ratio, Proportional, Selfridge-Conway, Vickrey Auctions

C-14: Alabama Paradox, Apportionment Quotient, Population, Equitable Apportionment, Hamilton Method, Hill-Huntington Method, Jefferson Method, Population Paradox, Quota, Representative Share, Round Up/Down Functions, Standard Divisor, Tentative Apportionment, Webster's Method

2. Can you do the Skills Check problems for chapters 9, 13, & 14?
3. Have you completed all of the assigned homework problems and class activities from the 'Kentucky Catastrophe' through 'World Cup Advertising'?