

# Practice Assignment 3

## Chapter 1 (pages 30 – 41)

Problems: 41, 43, 63, 65, 79, #1, #2 below

#1 In the following election, there is a tie for winner (A & B) using Borda count (verify). Break the tie using each of the following methods: (a) bottom-up comparison, (b) top-down comparison, (c) pairwise comparison. Observe whether or not you get the same result each time.

	Number of Votes			
Place	8	4	5	6
1	B	D	C	A
2	D	A	A	B
3	C	C	D	C
4	A	B	B	D

#2 There is also a tie for second place (C & D). Break it using each of the same methods.