Directions: Read and answer the following questions. Work carefully and be sure to show all steps to receive full credit. Good luck! (Round your calculations to 4 decimal places)

Name and Section: \_\_

1. (5 points)Lowndes' Method:In 1790 Delaware was composed of three counties, as it is today. The populations of these counties based on the 1790 census are listed below. Use Lowndes' method to apportion a hypothetical state legislature of 76 seats among these counties.

	County	Population	Natural Quota	Initial Allocation	Relative Fractional Part	Final Allocation	
•	Kent	18,920	24,3329	24	.0139	25	
	New Castle	19,686	25,3179	25	.01.27	25	
	Sussex	20,488	86,8493	80	10134	26	
	Total	59,094	,	75		76	
Natural	= 59,09			0%	RFP = 3	3328 = °	0139
$NQ = \frac{18}{77}$	<u>920</u> 7.5526 =	24.332	8	Sept.	PFP 31		
NQ - 19 Ne.ca - 7	17.5526	25.3179		0			.0 27
NQ = QC Sussex = 77	7.5526 = 3	16.3493			250 = -34° 350° = 80	$\frac{93}{6}$ = .	0134

Natural

Quota

Initial

Allocation

Final

Allocation

2. (5points) Now repeat the above example using Hamilton's method.

County

	Kent	18,920	24.3328	24	9 <b>4</b> 95
	New Castle	19,686	25.317	25	
	Sussex	20,488	26.3493	26	27
	Total	59,094		75	76
Natural					
division = 77	7.5526			ON	
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Population