

## Chapter 11 Homework – Pointers

### Reading Assignment:

Read Chapter 11 in Introduction to Programming with C++, 3<sup>rd</sup> Edition by Liang

### Problem Assignment:

- (8 points) Convert the values below from hexadecimal to binary or from binary to hexadecimal. Use the table provided. (Note: 0x is often used to indicate that a number is in hexadecimal form.)

<i>Hexadecimal Value</i>	<i>Binary Value</i>
0x7A9F	
0x2C3D4E	
	0011101111101011
	110011010111101011110010

- (18 points) Work Checkpoint Exercise 11.3, 11.4, and 11.5 on p. 417. Write the directions and the given code, and then show the output of the program.
- (12 points) Work Checkpoint Exercise 11.15 and 11.16 on p. 422. Write the directions and the given code, and then show the output of the program.
- (62 points) Work Programming Exercise 11.1 on page 449, using the **new** operator to create new memory. In addition to the requirements listed with the exercise:
  - Display the contents of the array, the average, and the number of values above the average.
  - Test the program using any values you pick for two cases:
    - array size = 4
    - array size = 8
  - Turn in a copy of the program as well as the output for the two test cases