Name: _____   **Time Spent:** _____

R.8 Reading Guide

Concepts related to Q3

CPTR 242: Sequential and Parallel Data Structures and Algorithms, Walla Walla University

I. Read Chapters 4.2 - 4.3 in your text.

II. Thoughtfully answer the following questions.

   (a) What changes with an *array* implementation if we use a dynamically allocated array?

   (b) What do you think would be a common pitfall for programmers implementing a linked *sorted list*?

   (c) Explain the book calls the *inchworm effect*.

   (d) Review the Big-O Comparison of sorted list operations. Give an example where your would want to use an array implementation and an other example for linked implementation.

   (e) What were the most challenging concepts? What questions do you still have?