**PHASE 1: PRE-READING (or Anticipatory Reading)**

*Pre-reading taps into what you already have learned about a subject to begin to think about what you already know and to form questions that will make your reading more effective. If you think of your brain like a computer, pre-reading open “folder” in your mind, which helps improve comprehension and improve time-effective reading..*

**Step 1–Experiential survey (free-write):**

* Look at the chapter you are about to read. Write down the section titles within the chapter. What do you think you already know about each title? (Take 2 minutes to jot down a list of your ideas.)

*Write all the subtitles you find here:*

**Step 2–First Read**

* Skim your reading and take note of all significant information, including (but not limited to) subtitles, terms in *italics* or **bold** font, author information, pictures, graphs, tables, diagrams, and questions to students within the text. Make a list of what stands out to you. What do you expect to learn that you do not yet know? (3 minutes)

**Step 3: Closely examine any pictures, tables, charts, and graphs intended to teach a concept.**

1. *What tables or graphs did you find?*
2. *Name one figure or table and redraw it below.*
3. *Describe in a single sentence what the table or figure intended to demonstrate.*

**Phase 2: Reading analysis and summary:** Write a summary for the math chapter you read. Summary should be about ⅕ as long as the text of the chapter itself. What was/were the main concept(s) of the chapter? What seems most important about this concept? When is this concept of mathematics applied? What seems most unique / unexpected about the concept, based on what you wrote in your first textbox?

*Using the questions above as your guide, write a summary of the chapter. You may start with a sentence like “Chapter X described the concept of… and the application of….” To get you started.*

**Bonus: Apply the Summary!**

*Use your birthday to choose a single problem from the math problems assigned. (If you were born 9/2/1989, use problem #2). How the math problem relates to the summary you have written and explain how to solve it. Do not actually solve it. Use a separate page, please.*