Pathways Reading Guide M5 Section 2

Please read Module 5, section1 in your e-book, pp. 15 – 21.   (Click on Module 5, then "text.")

Be sure to *read with a pencil in hand* and attempt the examples before you read the solution given. Take notes of important definitions and ideas as you read. I don't expect you to have 100% comprehension of everything in the section, but spending significant time trying to understand the main ideas will assist you as you work on the Investigation during our next class.

****

This section deals with the notion of how changing rates of change evidence themselves on graphs.   The new terminology is that of *concavity*, defined on p. 17 in the ebook. As you read through the examples in this section, pay close attention to the calculations of the rate of change (slope) as the intervals change.

What is an *inflection point*? What are the possible changes at an inflection point? Be sure you can list and explain these to someone else, using a diagram if necessary.

Examples 11 and 12 are good to study since they discuss concavity in distance vs time scenarios.