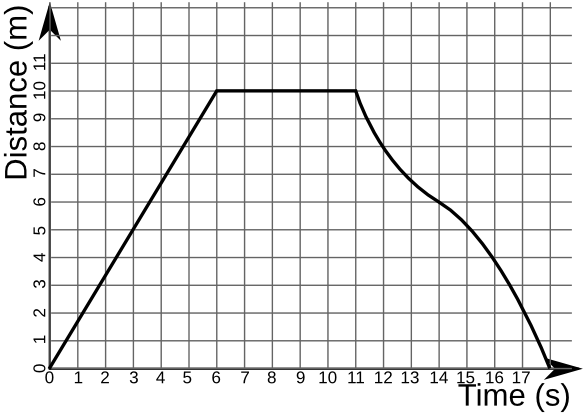
**AP Calculus name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
notes: page 75.5 11/12/2014**

do now:

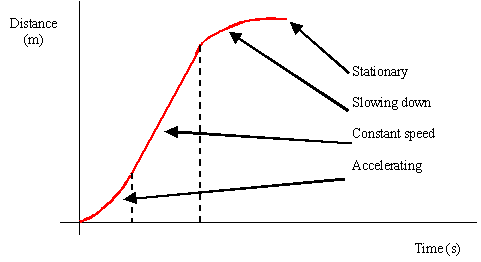
The following graph represents the distance travelled by Mr. Norman vs. time.

What would be the slope of the tangent line to the graph below at t = 3?  
What does this slope represent?



Things to note:  
\* this is motion in one direction  
\* slope of the tangent line on the distance graph represents \_\_\_\_\_\_\_\_\_\_\_\_\_.  
\* speed =   
\* how can you tell where the velocity = 0?

Indicate what’s happening to Mr. Norman’s motion during each of the indicated time periods.



Preparing for your Related Rates Quiz (it's on Wednesday 11/19/2014)

Study suggestions:

1. complete several problems each day. Come ask for help as needed.
   * W, day 1:
   * R, day 2:
   * F, day 3:
   * M, day 4:
2. memorize formulas. Make flashcards!
3. In days 2-6, rework the exercises again after covering up your previous solutions.
4. watch youtube videos!
5. form study groups. Do a Calculus problem at lunch in the cafeteria.   
   Or at Panera.