Part I (due at the beginning of class Tuesday, November 18)

Try problems 37, 41, and 42 from the Derivatives handout.

Part II: Problems (due at the beginning of class Tuesday, November 18)

1. Suppose we're blowing up a spherical beach ball. Its volume, radius, and equator are functions of time.
   (a) What is the relationship between the rate of change of the volume of the ball and the rate of change of the radius of the ball?
   (b) What is the relationship between the rate of change of the volume of the ball and the rate of change of the equator of the ball?

Self Evaluation Appointment Reminder

Don't forget to come to your self evaluation appointment! ☺