1. Solve problem # 2.48 and complete the following
   a. Draw the position time graph of cheetah and the gazelle in the same plot. Label all points of interest and explain
   b. Draw the velocity time graph of cheetah and the gazelle in the same plot. Label all points of interest and explain
   c. Draw the velocity time graph of cheetah and the gazelle in the same plot. Label all points of interest and explain

2. Solve Problem 62 and complete the following.

   a,b,c) Draw the position time, velocity time, and acceleration time graph of the ball.

3. Solve problem 53 and complete the following
   a. Draw the position time, velocity time and acceleration time graphs for the car
   b. Considering you time *"t"* to be zero when the car starts, write down the three kinematic equations for the car for the acceleration phase, coasting phase and the deceleration phase. (9 equations). The variable *"t"* in your equations should be the time at any given time since the start of the motion.

4. Solve Problem 56

5. Solve problem 28.
   a. Draw the velocity time graph
   b. Draw the position time graph.
   c. Determine the objects positions at times given.