# Homework Assignment 12
## Due on Friday 12/27

**Programming Problems:**

    1. Write a Matlab code that solves

$$y(a) = \alpha, \quad y'(t) = f(t, y) \quad \forall\, t \in [a, b]$$

by using Euler's and Taylor method.

**Writing Problems:**

    Do the following exercise problems in the text book by Bradie,

    Sec 7.1: 3(c)*, 4, 5*, 6, 7*, 9, 13*

    Sec 7.2: 3, 10*, 13*, 17, 21, 24*

    Sec 7.3: 2(b,c)*, 3(c), 4(c)*, 7(c)*, 11, 16*

    Just turn in the problems with *.