

Prof. TE Coan PHYS 3344 S04

**DUE:** 16 Apr '04 @ 6pm, rm 4B FS

## HW11

1. Marion 3.7
2. Marion 3.13
3. Marion 3.16
4. Solve the differential equation

$$\ddot{z} + 4\dot{z} + 3z = 0$$

subject to the initial conditions:  $z(0) = 0, \dot{z}(0) = 1$ .