

AME 561

Homework 11

Due: Wednesday, 11 December 2002, in class

1. Kaplan, p. 643: 1c; if  $\mathbf{x}(0) = (0, 3)^T$ , determine the solution that satisfies the initial conditions; plot  $x_1(t), x_2(t)$ . Plot the solution trajectory in  $x_1, x_2$  space.
2. Kaplan, p. 643: 2a
3. Course notes, p. 331: 1
4. Course notes, p. 332: 2
5. Course notes, p. 333: 8
6. Course notes, p. 334: 15
7. Course notes, p. 335: 24
8. Course notes, p. 336: 26
9. Course notes, p. 338: 42
10. Course notes, p. 339: 50