1.   Solve Bollinger 8.7.

2.   Solve Bollinger 8.10.
       (Assume that the initial slope is 1.5 and the final slope is 1.17. Use a single cubic spline
       curve to represent the trajectory.)

3.   Solve Problem 2 using the normalized cubic spline curves. In this case, break the entire
       trajectory into three spline curves using two intermediate positions (4,4) and (7,2).

4.   Solve Bollinger 8.16.

For problems 2, 3 and 4, write a computer program using MATLAB and submit the program (in a
diskette or by email) with the solution.