

AME 561

Homework 3

Due: Friday 13 September 2002, in class

1. Kaplan, p. 628: 2a,c; plot  $y(x)$  for each
2. Kaplan, p. 629: 9b
3. Kaplan, p. 633: 6d; plot  $y(x)$  if  $y(0) = 1, y'(0) = 0, y''(0) = 0, y'''(0) = 0$ .
4. Kaplan, p. 634: 9d; plot  $y(x)$  if  $y(0) = 1, y'(0) = 0$ .
5. Course notes, p. 38: 8
6. Course notes, p. 38: 10
7. Course notes, p. 58: 6.
8. Course notes, p. 58: 9h
9. Course notes, p. 77: 10
10. Course notes, p. 77: 14