

ChEg 542
Fall 1998
HW #6
Due 11/9/98

1. 3.1 in V&M
2. 3.2, a,b,c,d in V&M
3. 3.5 in V&M
4. 3.6 in V&M
5. 3.8 in V&M
6. The equation, $y'' + y = 0$, has exponential solutions. Is it possible to construct a different set of fundamental solutions (i.e. different from the sin and cos we have already discussed)? Can you generalize your answer to other equations?