

Here is a reminder of some of the ideas you should be comfortable with going into Wednesday's Exam. Again, I always find it helpful to give a mathematical as well as prose interpretation of the meaning

1. Undetermined coefficients (guess and check method)
2. Variation of Parameters (especially the formula on p.176)
3. Spring problems (the metal object, not the season)
4. Laplace Transform
5. Inverse Laplace Transform
6. Table on page 300 (you will get this on the exam, but be familiar with it anyway!)
7. Using Laplace transforms to solve DE's
8. Step Functions
9. Forcing functions
10. Matrix algebra
11. System of Differential Equations
12. Generalized Wronskian

Here are some book problems for you to work on.

1. p.171: 4,6
2. p.177: 5,10
3. p.190: 6
4. p.294: 16,22
5. p.303: 15, 23
6. p.311: 10,18
7. p.318: 7
8. p.363: 12 (give intervals over which they are linearly independent).