MATHEMATICS 220

Topics to review for Exam 1 on Tuesday, February 28

1. Section 2.1, Linear Equations, integrating factors

2. Section 2.2, Separable Equations

3. Section 2.3, Modeling with first order equations

4. Section 2.6, Exact equations and integrating factors

5. Section 3.1, Homogeneous equations with constant coefficients

6. Section 3.3, Complex roots of the characteristic equations

7. Section 3.4, Repeated roots and reduction of order

8. Section 3.5, Nonhomogeneous Equations, Method of undetermined coefficients