Test #2 description

Math 152, Spring 2017

Format:

- In class, 50 minutes
- Thursday March 16 (TTh sections) or Friday March 17 (MWF sections)
- Written in class.
- Attend the section in which you are registered
- No calculators, No notes
- Worth 15% of your final mark
- Two parts:
  - part A: 10 short questions, worth 1 mark each
  - part B: 3 long questions, worth 5 marks each
- total 25 marks

Material since Midterm #1:

- Theory: linear transformations, matrix representation and composition of linear transformations, equivalent statements to a matrix being invertible
- Techniques: matrix multiplication, rotations and projections and reflections, loop currents method in resistor networks, matrix transpose, matrix inverses, determinants, MATLAB.
- Applications: resistor networks, random walks.

Details:

- WeBWorK assignments #5-8.
- MATLAB commands from labs # 3 and # 4.
- Online notes sections: 3.5, 4.1-4.6.
- The emphasis will be on the material since the last midterm, but you still need to know the previous topics (like always in Mathematics).
- Note that material in "Additional Topics" sections of the online notes are not covered this year.