

**EE 20242**

**Electronics I**

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**Homework #1**

Due 1/24/14

Problem 1: Sedra & Smith, problem 1.18. Note: this is an example using the technique that we'll find useful for calculating output resistances.

Problem 2: Sedra & Smith, problem 1.23

Problem 3: Sedra & Smith, problem 1.41. Be careful: remember the definitions for peak, peak-to-peak, and RMS voltages.

Problem 4: Sedra & Smith, problem 1.43

Problem 5: Sedra & Smith, problem 1.45