

EE 301 (MWF 2:30-3:20 Section)  
Spring 2013  
Problem Set 2  
Due January 23, 2013

“O&W” is Oppenheim and Willsky, Edition 2.

1. Energy and power calculations: O&W 1.3 (a, b, d, f).
2. Properties of continuous-time systems: O&W 1.27 (d, e, f).
3. Ditto for discrete-time systems: O&W 1.28 (a, f, g).
4. Periodicity property of discrete-time complex exponential: O&W 1.35.
5. Samples of continuous-time complex exponential signal: O&W 1.36.
6. Interconnections of systems: O&W 1.42.
7. Discrete-time convolution: O&W 2.21 (c, d).
8. Continuous-time convolution: O&W 2.22 (a, c, e).