Homework #2
Due Th. 9/10

Note:

OW	Oppenheim and Wilsky
SSS	Schaum's Signals and Systems
SPR	Schaum's Probability, Random Variables, and Random Processes

Be sure to show all your work for credit.

1. Determine the Fourier Series representation for each fo the following signals if it exists.
   (a) $x(t) = \cos(3\pi t + \frac{\pi}{3})$
   (b) $x(t) = \sin^2(\pi t)$
   (c) $x[n] = 2\cos(1.6\pi n) + \sin(2.4\pi n)$
   (d) $x[n] = n$ for $n = 0, 1, 2, 3$ with period $N = 4$
2. (SSS 5.61 (a),(b))
3. (OW 3.24)
4. (OW 3.30)
5. (OW 3.31)
6. (OW 3.34)
7. (OW 3.35)
8. (OW 3.62)