

EE 313 Problem Set 1, 2, & 3

Spring '09

Rev. 010509

1. Define Digital.
2. Define Analog.
3. Provide two examples of analog signals.
4. Why do we use digital systems?
5. What are ADCs and DACs?
6. What are alternate expressions for a digital 1?
7. What are alternate expressions for a digital 0?
8. On a separate piece of paper (green engineering paper) do the following problems from the textbook in Chapter 1 (Page 23):
 - a. Problem 1-1 (a, b, f, i)
 - b. Problem 1-2 (a, c, e)
 - c. Problem 1-7 (c, d)
 - d. Problem 1-9 (c & d)
 - e. Problem 1-10 (c & d)
 - f. Problem 1-11 (a, b, c, d, e)
 - g. Problem 1-12 (a, b, c, d, e)
 - h. Problem 1-13 (b, c)