

**EE319K Lecture 3 in class worksheet**

**Question 1.** How many alternatives is 12 bits?

**Question 2.** Range is -999 to 999. How many bits are needed?

**Question 3.** How many alternatives is  $2^{3/4}$  decimal digits?

**Question 4.** Range is -999 to 999. How many decimal digits are needed?

**Question 5.** What is the binary (and hex) is representation for decimal 50?