Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Homework 3 ESE 346 Robertazzi

1. This is a transmitter problem. Find the check bits for a Hamming code if the message bits are 0111.
2. This is a receiver problem. Is there an error in this Hamming word, if so in which bit, if not, why? Check bits are in positions (from left to right) 1,2 and 4. The word is 1100110.

[c] For a CRC code receiver problem let the received codeword R(x) be 11010110. Let the generator be 10011. Is there an error in the codeword?