HW #5

1.Consider the (15, 11) cyclic Hamming code generated by

$$g(X) = 1 + X + X^4$$

(a) Determine the parity polynomial $h(X)$.

(b) Given $c(X) = 1 + X^2$, then what is the output code sequence ?

2. Devise an encoder and a syndrome circuit for Problem 1.