Quick Review

- · Error Correcting Codes (ECCs) use redundancy to guard against info loss
- · Erasures / Corruptions are main sources of error
 - w Erasures delete parts of message
 - Lo Corruptions change parts of Message
- . If you want to send a message of length n, encode it as a polynomial in GF(q)
 - of degree n-1 (q is a lorge prime)
 - b) If you have k erasures, send n+k points.
 - L) It you have K <u>corruptions</u>, send n+ 2K points.
- . Decoding corruptions is tricky
 - Ly Use error polynomial E(x) to generate a system of linear equations