WCM 606 – CDMA Wireless Standards
Assignment 2

1. If 63 users share a CDMA system, and each user has a processing gain of 511,
(a) Determine the average probability of error for each user.

(b) Explain what assumptions you have made in determining your results.

(c) In case the probability of error is allowed to increase by an order of magnitude, determine the percentage increase in the number of users.