

CSE 311: Foundations of Computing I

QuickCheck: Number Theory (due Thursday, April 28)

Name:

0. Extended Euclidian Algorithm

Find the multiplicative inverse y of $7 \pmod{33}$. That is, find y such that $7y \equiv 1 \pmod{33}$. You should use the extended Euclidean Algorithm. Your answer should be in the range $0 \leq y < 33$.