

Math 102  
Nov. 04, 1996

Little Quiz #9

Name \_\_\_\_\_  
(Please Print)

1. (a) Use the Euclidean Algorithm to find the GCD of the numbers 403 and 341.

(b) Use this result to reduce the fraction  $\frac{403}{341}$ .

(c) Use the result of part (a) to find a solution of the Diophantine equation  
 $403x + 341y = 31$ .

(d) Find formulas which give all solutions of the equation of part (c).