

Quiz # 3 for Dr. Z.'s Number Theory

NAME: (print!) _____

E-MAIL ADDRESS: (print!) _____

1. (6 points) Find out whether it is possible to express 1 as a linear combination $1 = 11 \cdot m + 27 \cdot n$ for some integers m and n , and if it is, find them.

Ans.: $m =$ $n =$

- 2.(4 points) Find $11^{16} \pmod{13}$

Ans.: