Q1. Find the multiplicative inverse of 23 in Z_{100} ?

Q2. Find x in $x \equiv \frac{-3}{13} \; mod \; 7$?

Q3. Given a=161 and b=28, find and the value of s and t such that $gcd(a, \; b) \; = s \times a + t \times b$?

Q4. Solve x,

$x \equiv 1 \; mod \; 3$

$x \equiv 3 \; mod \; 11$

$x \equiv 6 \; mod \; 17$