# Math 204- Discrete Mathematics, Spring 2010 <br> Quiz 4, April 5, 2010, 17:40 group <br> Time: 20 minutes <br> Write your solutions clearly, provide explanation, etc. Do not forget to write your name and ID No on top of the page! 

Problem 1 ( 7 pts each).
a. Check (in the shortest possible way) if the number $n=353$ is prime or not.
b. Find the smallest positive integer $x$ that solves the congruence $27 x \equiv 4 \bmod 353$.

Problem 2 ( 6 pts ). Write the integer $n=723$ in base 5 .

