QUIZ NUMBER FIVE FOR MTH 213

AYMAN BADAWI

Name——————————, Id. Num.————————————-, Score $\frac{}{10}$

QUESTION 1. *(Write down T OR F)*

1) $44 \equiv 5 mod(13)$

2) $gcd(70, 30) = 5$

3)It is possible to have two positive integers, a, b **such that** $gcd(a, b) = 21$ **and** $ab = 420$

4) $8x \equiv 6 (mod 44)$ **has a solution**

5) $-32 \equiv 5 (mod 13)$

6) The quotient (q) when you divide -45 by 7 is -7

7) If x_1 **is a solution for** $ax \equiv b mod(31)$**, then** $x_1 - 62$ **is another solution for the system.**

8) The $Lcm[7^2.5^2, 7.5^2.3] = 3675$

9) -22 is a solution to $4x \equiv 2 mod(5)$

10) This room is Phy 106 OR my instructor name is Ayman

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