CRYPTOGRAPHY HANDOUT 10

CHINESE REMAINDER THEOREM

1. PROBLEMS

1. Solve $x \equiv 3 \mod 7$ and $x \equiv 5 \mod 15$ at the same time.

2. Solve $x \equiv 2 \mod 8$ and $x \equiv 5 \mod 13$ at the same time.

3. Solve $x \equiv 3 \mod 5$ and $x \equiv 2 \mod 9$ at the same time.

2. Questions and Observations

Write down any questions and observations that you have about solving simultaneous congruences: