Cryptography ECE 5632 Assignment 1 Spring 2025

Name:	ID.
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Problem 1

For each of the following equations, find an integer x that satisfies the equation.

- (a) $7^x \equiv 2 \pmod{11}$
- (b) $3x 2 \equiv 0 \pmod{7}$

Problem 2

The text "VPHOWX ORUUWX" was encrypted using affine cipher with key (a=11,b=5). Find the corresponding plaintext.