

Fall 2025 CIS 3362 Homework #3 Grading Criteria

1) 10 pts – 4 pts for filling out the square 6 pts for the message, deduct 1/2 a point for each incorrect pair, round down and give an integer score.

2) 10 pts - 2 pts for stating the formula, 6 pts for the Extended Euclidean to get 25 or -18 as the inverse, 2 pts to simplify the key to 4 numbers each in between 0 and 42, inclusive. (If they have valid decryption key with 1 or more numbers out of range give 9 out of 10 pts.)

3) 30 pts – 10 pts for the explanation of the work, 5 pts for stating the key, 15 pts for the actual decryption, so max grade is 10/30 if they weren't able to get the key. If they got the key but did not decrypt, it's 15 out of 30, for the decryption, you can give partial, but I suspect if someone started it, they finished it. Don't take off for individual typos. Only give partial if say half the message was decrypted.

4) 50 pts – 20 pts for code, 30 pts for execution

Code Points: Program Compiles – 5 pts
Program Style (comments, spacing, var names) – 5 pts
Program reads in data for all cases – 5 pts
Program prints something out for each case – 5 pts

Test Cases: There is a large test file with 5075 cases.
If all cases are correct – 30/30
If you need to make a format change to get the diff to work – 27/30
If the vast majority of cases are correct with some outliers wrong – 20/30
If a few cases are correct but most are wrong – 10/30