

Homework 2

Task 1 - Negligible Functions (10 points)

(a)

(b)

Task 2 - Block Ciphers (10 points)

(a)

(b)

(c)

Task 3 - IND-CPA Security (9 points)

(a)

(b)

(c)

Task 4 - More IND-CPA Security (8 points)

(a)

(b)

Task 5 - Pseudorandom Functions (8 points)

(a)

(b)