

## Homework 6

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### Task 1 - RSA Modulus Generation (10 points)

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(a)

(b)

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**Task 2 - ElGamal and DDH (15 points)**

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(a)

(b)

(c)

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**Task 3 - Chosen-Ciphertext Security (10 points)**

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(a)

(b)

(c)

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**Task 4 - AES-Based Signatures (15 points)**

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(a)

(b)

(c)