Activity 1:

Task 1:

private key = {3, 35}

Task 2:

2-
$$C = M^e \mod n = 2^7 \mod 33 = 29$$

Task 3:

Activity 2:

- 1- My partner: Harshkumar Mahyavanshi
- 2- p = 7, g = 13
- 3- a = 18
- 4- A = g^a mod p = 13^18 mod 7 = 1
- 5- B=6
- 6- $s = B^a \mod p = 6^18 \mod 7 = 1$
- 7- Same s value is found.