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| Theoretical   |                |
| Question 8  |                |
| That is prime, has a few bits as bossible equal to I for face multiplication, and at the same time is cryptographically se Typical values of e are 3, 17, & 65537 (216+1)   | e<br>f<br>xwe. |
| 2) No, knowing the totient of the modulus doesn't directly break  The RSA scheme, they would still need to factorize  N to derive tey d. The sacurity of RSA lies in the difficulty  of factoring large semiprime numbers into their prine facts  It can oid in certain talkades but it's not sufficent |                |
| 3) In a simplified RSA scheme with event key general attackers might exploit brute force attackers on the private exporent, common modules attacker, or weakness in the encry process to recover plain text from disphereex without access to the private exponent.                                     | te splion      |
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