

COMP8760

Lecture 2

Worksheet for Practice

Sanjay Bhattacharjee

1. Find the Prime Factorisation of 1001.

Ans:

2. Find the Prime Factorisation of 7497.

Ans:

3. Using the prime factorisations, find the GCD and LCM of the integer pair (1001, 7497)?

Ans:

4. Find the GCD of the integer pair $(1001, 7497)$ using the Euclidean algorithm?

Ans:

5. Are the numbers $(1001, 749)$ mutually prime?

Ans:

6. Are the numbers $(119, 143)$ mutually prime?

Ans:

7. Find $\phi(441)$.

Ans: