**Chapter 2: Mathematical Induction and Recursive Definition**

1. Explain constructive and contrapositive proof with example.
2. Prove root 2 is irrational.
3. Definition of PMI.

Exercise (John C Martin )

1. 2.1, 2.8,
2. 2.9,
3. 2.10,
4. 2.11,
5. 2.12,
6. 2.13,2.24

Reference book: John C Martin