

Practice Questions for Lecture No. 26- 28

Question 1:

Prove by contradiction that $4 + 3\sqrt{2}$ is an irrational number.

Question 2:

Use contradiction to prove that if $5n + 1$ is odd then n is even.

Question 3:

Use contraposition to prove that if n^2 is odd then n is odd.

Question 4:

Write the Pre and Post Conditions of the Algorithm to find the quotient and remainder of the division of one positive integer by another.

Question 5:

Use Euclidean algorithm to find GCD (61114, 94).