

By: www.thenotes.tk

maths home work no.2

duration 1hour

Date:7/4/2010 Wednesday

Maximum marks: 20

In Q1-4 tick the correct choices from the given alternatives

Q1) If 'p' be any prime number then \sqrt{p} is :- (1)

a) a rational number b) irrational number c) a whole number d) integer (1)

Q2) if HCF (p, q) =1 then p, q are :- (1)

A) Odd no. b) Prime no. c) Co-prime no. d) Even no. (1)

Q3) if p,q are co-primes then _____ is the only common factor between p and q :-

A) 1 b) 2 c) p d) q (1)

Q4) if p/q is a rational number then p and q are _____ (2)

a) A rational number b) irrational number c) a whole number d) integer (2)

Q5) prove that $2\sqrt{3}$ is an irrational number (2)

Q6) $\sqrt{27}$ is an irrational number, justify the statement. (2)

Q7) prove that $\sqrt{3}$ is an irrational number. (2)

Q8) prove that $5-\sqrt{3}$ is an irrational number. (3)

Q9) prove that $\sqrt{2} + \sqrt{3}$ is an irrational number. (4)