Worksheet: Sequences and Series

NIOS · Class 11 · Mathematics · 3 questions · 12 marks

Name: _____ Date: _____ Score: _____ / 12

Q1. Find the 20th term and sum of first 20 terms of the AP: 3, 7, 11, 15, ... *[2 marks]*

Q2. The sum of infinite terms of a GP is 12 and its first term is 4. Find the common ratio and the 4th term. *[4 marks]*

Q3. If a, b, c are in AP and a, b, c are all positive, prove that a + c ≥ 2b, i.e., AM ≥ GM gives the same inequality. *[6 marks]*