Worksheet: Matrices

IB · Class 12 · Mathematics · 3 questions · 12 marks

Name: _____ Date: _____ Score: _____ / 12

Q1. If A = [[2, 3], [1, 1]] and B = [[1, 0], [2, 1]], find AB and BA. Comment on commutativity. *[3 marks]*

Q2. Express A = [[3, 2, 1], [4, 0, 5], [1, 2, 3]] as the sum of a symmetric and a skew-symmetric matrix. *[3 marks]*

Q3. Using elementary row operations, find the inverse of A = [[1, 2, 3], [2, 5, 7], [2, 4, 5]]. *[6 marks]*