

Worksheet: Polynomials

IGCSE · Class 10 · Mathematics · 4 questions · 11 marks

Name: _____

Date: _____

Score: _____ / 11

Q1. Find the zeros of $4x^2 - 4x - 3$ and verify the relationship between coefficients and zeros. [2 marks]

Q2. Find a quadratic polynomial whose zeros are 2 and $1/3$. [2 marks]

Q3. Divide $p(x) = x^3 - 3x^2 + 3x - 5$ by $g(x) = x - 1$. Find quotient and remainder. [3 marks]

Q4. If α and β are the zeros of the polynomial $x^2 - p(x + 1) + c$, find $(\alpha - 1)(\beta + 1)$. [4 marks]
