

## Quadratic Functions: MCR3U Unit 3 Test *Anil Kumar*

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Q3. Determine the equation of parabola with x-intercepts  $-3 \pm \sqrt{5}$ , with a y-intercept 2.

I.  $y = a(x - (-3 + \sqrt{5}))(x - (-3 - \sqrt{5}))$ .  $y = a \left[ x^2 - \left( \frac{\text{Sum of roots}}{\text{roots}} \right) x + \frac{\text{Product}}{\text{Roots}} \right]$

II. roots:  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$   $\frac{-3 \pm \sqrt{5}}{1}$

$y = ax^2 + bx + c$

$2a = 1$   
 $a = \frac{1}{2}$

$b = 3$

# Mcr3u Quadratic Test

**Panos M. Pardalos**



### **Mcr3u Quadratic Test:**

**Quadratic Functions (IB SL Math)** Lee Jun Cai, Confused about the various concepts on Quadratic Functions taught in school or simply want more practice questions This book on Quadratic Functions seeks to offer a condensed version of what you need to know for your journey in IB Mathematics SL alongside with detailed worked examples and extra practice questions Tips on certain question types are provided to aid in smoothing the working process when dealing with them

**Construction of Test Problems in Quadratic Bivalent Programming** Panos M. Pardalos,1988      Quadratic Equations and Curves Leon J. Ablon,1981      Quadratic Equations and Curves ,      **Quadratic Equations and Curves** Sherry Blackman,1990-01-01

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