Quadratic Equations

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August 4, 2023

Class 10th Maths - Chapter 4

This problem is from Exercise 4.3 (1)iv

1. Find the roots of the quadratic equation if they exist:
   $2x^2 + x + 4 = 0$
   Solution:
   $GivenData : \left(2x^2 - 7x + 3 = 0\right)$
   $diterminant = \left(b^2 - 4ac\right) = (1)^2 - 4(2)(4) = -31$

   since the discriminant value is less than 0 the above equation has no real roots