The City School

North Nazimabad Boys Campus

Mathematics Worksheet

Quadratic Equations

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**Q1. Solve the Quadratic equations by Factorization.**

1. x2 + 5x + 6 = 0
2. t2 + 2t - 19 = 5
3. 2x2 + 6x + 4 = 0
4. 4n2 + 12n + 9 = 0
5. 3x3 + 21x2 + 36x = 0

**Q2. Solve the Quadratic Equations by Completing the Square.**

1. **x2 + 6x – 9 = 0**
2. **x2 + 16x + 24 = 0**
3. **x2 + 3x - 3 = 0**
4. **4x2 - 24x +100 = 0**
5. **x2 + 4x + 5 = 0**

**Q3. Solve the Quadratic Equations using Quadratic Formula.**

1. **x2 – 4x – 7 = 0**
2. **x2 + 6x + 13 = 0**
3. **b2 – 7b – 3 = 0**
4. **3a2 – 4a – 4 = 0**
5. **x2 + 6x – 9 = 0**