B3 Quadratic Equations and Functions

Lesson Plan 2: worksheet 1

Questions

1. **Solve the following inequalities:**
   i. $x^2 + 2x - 35 > 0$

   ii. $-x^2 + 9x - 14 \geq 0$

   iii. $3x^2 - 5x - 1 < 4x^2 + 7x + 19$

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2. **Find the ranges of the values of x for which $x^2 - 4x + 2$ lies between -1 and +1.**

3. **Find the set of values of x for which $x^2 - 2x - 24 < 0$ and $12 - 5x \geq x + 9$.**

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