

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

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 $12 - 5x \geq x + 9$.