

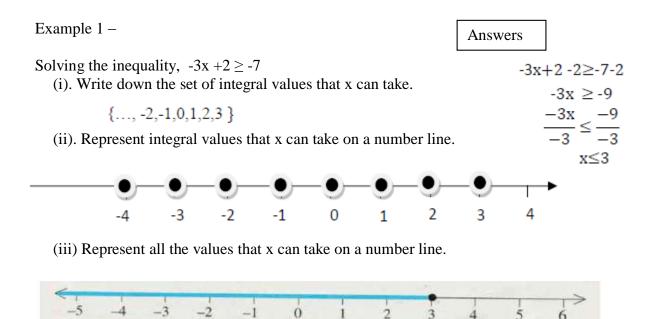
Algebraic Inequalities

An inequality describes a relationship between two different values; inequality symbols are

Less than " < ", Greater than " > ", less than or equal " \leq ", Greater than or equal " \geq "

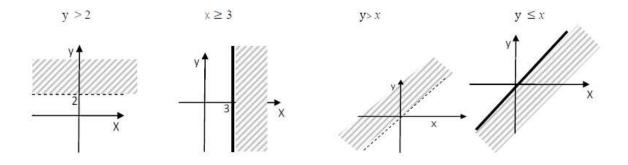
- ➢ In inequalities,
 - i. If a positive number or a negative number is added to both sides of an inequality, the inequality symbol remains unchanged
 - ii. If both sides of an inequality are multiplied or divided by a positive number, the inequality symbol remains unchanged
 - iii. If both sides of an inequality are multiplied or divided by a negative number, the inequality symbol changes

(That is, the sign " < "changes to " > " and the sign " \geq "changes to " \leq " etc.)



* Do the exercise 25.1 in the textbook part II

Example 2 -



✤ Do the exercises 25.2 and 25.3 in the text book part II