

Pre-Content/content Post-Content	Learning Outcome/Objectives	
	General	Specific
Pre-Content Recall Linear equations and plotting of equations in two variables on graph. Content Identify Inequalities in one variable and Represent them graphically Relate Graphical solution of linear inequalities in two variables with solution of equations . Solution of system of linear inequalities in two variables. Post content Applications of linear inequality problems in real life situations	Students will be able to recall the concept of linear equations familiarize about various inequalities i.e. $>$, $\geq$, $<$, $\leq$. distinguish equations and inequations in one variable distinguish equations and inequations in two variables develop the skill of applying knowledge of inequalities in finding feasible region	Students will be able to recall linear equations in one and two variables classify inequations and equations represent linear inequalities in one variable graphically represent linear inequalities in two variables graphically. Identify the half plane represented by an inequality and shade the solution region.

Home Work /Assignment

- 1) NCERT Exercise questions (Questions from Exercise 6.1 to Ex 6.3 from NCERT book and misc. ex)
- 2) Exemplar problem

Teacher's Activity	Student's Activity	Teacher's Observation And Remedial
Teacher will explain inequalities of the type, that is inequalities in one variable $ax + b < 0$ $ax + b > 0$ $ax + b \geq 0$ $ax + b \leq 0$ discuss Inequalities in two variables $ax + by < c$ $ax + by \leq c$ $ax + by \geq c$ $ax + by > c$ draw and show graphically on the board explain half plane concept	Students will solve questions of each type from NCERT book and will represent it graphically in class. solve Questions from ex – 6.1 solve Questions from ex -6.2 some questions will be given in class and some for home work. solve Questions from ex -6.3 solve Word problems and HOTS questions and will form inequalities and represent graphically	Teacher will write observation and remarks after the class

Teaching Aids: Smart board

Methodology/Innovative Methods: Discussion, Recall, Explanation, Question-Answer method, problem solving ICT method lecture method and interpretation

Interdisciplinary Links: Used in science and engineering

Coordinator

Vice-Principal

Principal