

Algebra

Goal: The learner will understand and use linear relations and functions.

Objective:

5.03 Solve problems using linear equations and inequalities; justify symbolically and graphically.

To achieve this objective, students should:

- Interpret situations, write and solve appropriate linear equations.
- Use graphs of linear equations to solve problems.
- Graph linear inequalities on the rectangular coordinate plane.
- Recognize that a solid line is used for \leq and \geq and a dashed line is used for $<$ and $>$.
- Use a test point to determine which half plane contains the solution.
- Use a graph to find solutions to a linear inequality.
- Model and solve real world problems using linear inequalities.