Solution Book of Mathematic

Ssnior 2 Part I

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Written on 9 October 2022

Contents

14.1 Linear Inequalities of Two Variables

Solution of Linear Inequalities of Two Variables

A linear inequality of two variables is inequality with two variables involved.
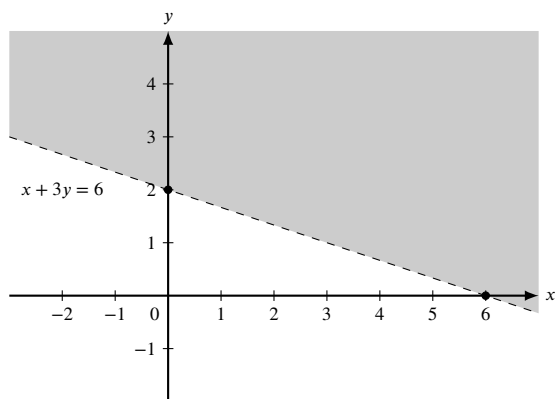
For any linear equation of two variables, there are infinitely many solutions. These solutions can be graphed in the appropriate half of a rectangular coordinate plane.

14.1.1 Practice 10

Express the solution of the following linear inequalities in graph form:
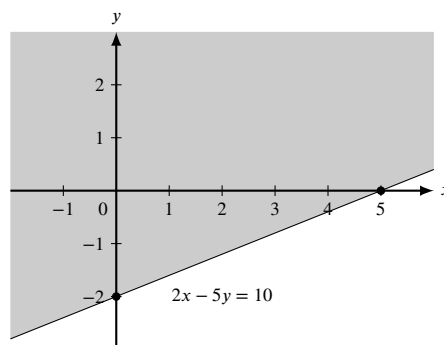
1. $x + 3y < 6$

   Sol.

2. $2x - 5y \leq 10$

   Sol.

3. $4y - x + 8 > 0$

4. $3x + 2y \leq 9$