

## **Algebra**

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

**Objective:**

**5.04 Solve equations using the inverse relationships of addition and subtraction, multiplication and division, squares and square roots, and cubes and cube roots.**

To achieve this objective, students should:

- Solve multi-step equations and inequalities with variables on both sides.
- Solve equations and inequalities with variables on both sides by combining like terms and/or using the distributive property.
- Solve equations with rational numbers, using the inverse operations of squares and square roots, cubes and cube roots.
- Justify each step of solving equations and inequalities using the properties of equality and inequality
- Solve equations involving several variables for one variable in terms of the others.