## Mathematics 9

## Course Overview:

This mathematics course is a follow up of the Mathematics 8 course. The students who are successful in this course can enroll into Foundation and Pre-Calculus 10 course or AW10 course.

The Mathematics 9 course will introduce students to algebraic structures such as polynomials and it will continue the study of different kind of numbers and operations with them. It will also develop skills for solving linear equations and inequalities, and applied problems using them. Students will be exposed to some circle geometry and a bit of 3D geometry.

To be successful in this course, students need a strong background Arithmetic, good mental calculation skills, strong work habits, and good reading skills.
Students should allocate about 30 to 45 minutes a day for individual study at home.

## Intended topics of the course:

1. Linear Relations, Equations and Inequalities
2. Polynomials
3. Rational Numbers. Exponent Laws. Square Roots
4. Circle Geometry
5. Areas and Volumes
6. Statistics and Probability
7. Problem solving.
