***SEMESTER TWO: Fall 2024***

***Number Relations & Functions 10***

***Teacher Mrs. Mutch*** [***Barbara.Mutch@nbed.nb.ca***](mailto:Barbara.Mutch@nbed.nb.ca)

***Homework/Daily lessons: Microsoft Teams***

**Topics**

Chapter 4: Roots and Powers (12 days)

* Irrational Numbers, Real Number System, Radicals
* Laws of Exponents

Chapter 3: Factors and Products (13 days)

* Prime factors, Greatest Common Factors, Least Common Multiples
* Monomials, Binomials, Trinomials, Substitution, Multiplication of Polynomials, Common factors of Polynomials, Trinomial Factoring, Difference of Squares

Chapter 6: Linear Functions (26 days)

* Slope, parallel/perpendicular lines, x and y intercepts, domain and range
* Equations of a line
  + Slope Intercept form
  + General form
  + Slope-Point form
* Graphs and equations

Chapter 5: Relations and Functions (13 days)

* Analyzing Data, Graphs & Situations,
* Domain/range, discrete/continuous, functions/non-functions comparison
* Linear relations
  + Dependent/Independent Variables
  + Equations, ordered pairs, linear situations
  + Relations and Functions ( f(x) )

Supplement: Distance / Midpoint (4 days)

* Distance between points

Chapter 7: Systems of Linear Equations (11 days)

* Modeling situations, point of intersection
* Problem solving

**EVALUATION:**

*\*\*****Academic******Incentive Program:\*\****

Tests / Quizzes / Assignments 70% 85% OR 50%

Exam 30% 15% OR 50%

\***A mark of 60% is required to receive a passing grade.\***

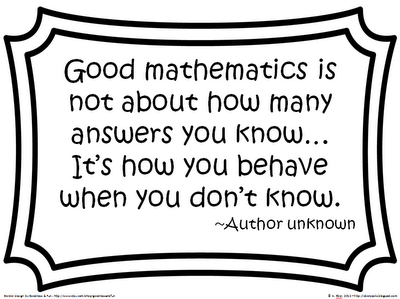
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| ***To qualify for the \*\*Academic Incentive Program\*\*, a student must meet the following criteria:***  1) have missed no more than 7 days in any course as of the Friday prior to an exam period  2) have completed all requirements for the course to the satisfaction of the teacher  3) have a passing grade in the course going into the exam  ***NOTE:*** Exceptions to the attendance requirement will only be extended to days missed for school sponsored activities or as a result of a death in a student’s family. |

**Expectations:**

Expectation is to follow the school rules, come to class prepare to do work.

**You are expected to bring your notebooks, pencils and calculators every day. You are required to check in everyday you are doing home learning**.

**Attendance:**

***If you miss any work it is your responsibility to get caught up*.**