***SEMESTER One: Feb. 3, 2017 – June 2017***

***Number Relations & Functions 10***

***Teacher: M. O’Keefe***

**Websites:**

***Homework/Daily lessons*** [**http://blackville.nbed.nb.ca**](http://blackville.nbed.nb.ca)*(Teachers pages)*

***Online Text Book*** [www.pearsoncanada.ca/fpcmath10](http://www.pearsoncanada.ca/fpcmath10)

* Select **Log In Now** from the **Interactive eBook** menu
  + Login Name: **NBnrf10**
  + Password: **mathnrf10**

**Topics**

Chapter 7: Systems of Linear Equations (11 days)

* Modeling situations, point of intersection
* Problem solving

Chapter 6: Linear Functions (22 days)

* Slope, parallel/perpendicular lines, x and y intercepts, domain and range
* Equations of a line
* Linear relations
  + Dependent/Independent Variables
  + Equations, ordered pairs, linear situations
  + Relations and Functions ( f(x) )

Chapter 4: Roots and Powers (12 days)

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

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) )

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

Supplement: Distance / Midpoint (8 days)

* Distance between points

**EVALUATION:**

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| **Test/Quizzes/ Assignments** | **70%** |
| **Exam** | **30%** |

\*Homework will be checked on a regular basis and is considered an “assignment”.

**SO HOMEWORK COUNTS AND MUST BE DONE**

**Expectations:**

Expectation is to follow the school rules, come to class prepare to do work. Everything that is done on the board is a part of your notes and must be written down.

**You are expected to bring your notebooks, pencils and calculators every day**. (No Phones)

**Attendance:**

***If you miss a day it is your responsibility to get caught up*.**

Notes and lessons will be posted on line but you are still expected to copy the material I go over in class into your notebooks.

* Go to[**http://blackville.nbed.nb.ca**](http://blackville.nbed.nb.ca) and click on my name under “Teacher’s Pages”
* Extra help is available upon request, after school at the student’s request. (I have middle school lunch hour, so there will be no extra help at high school lunchtime.)

**Attendance Incentive:**

* If a student misses 5 or less days in **this class** then they will be able to
  + Have their exam worth half of the original value (15% Math 10)

Or

* + Have a 100% final
  + Must have all test, quizzes and assignments completed