## Student's Name

$\qquad$ Course Name Mathematics 3103
R-retain, $D$-delete, $C$ - changed
Outcomes
Outcomes

| GCO A:Students will demonstrate number sense and <br> apply number theory concepts. |  |  |  |
| :--- | :--- | :--- | :--- |
| A1identify numbers as belonging to the various subsets of <br> the real numbers and recognize situations in which each <br> of these subsets can be applied. |  |  |  |
| A2write either a sentence or an inequality to describe the <br> numerical restrictions (domain and range) in various <br> problem situations. |  |  |  |
| A3apply fraction concepts both mentally and using pencil <br> and paper algorithms. These concepts will include: <br> LCD (lowest common denominator) <br> Equivalent Fractions <br> Reducing to simplest form <br> Improper vs Mixed Fraction <br> Factors <br> Prime factorization to find LCD's <br> Ordering fractions by relative size |  |  |  |
| A4develop place value and rounding concepts for decimal <br> numbers. |  |  |  |

## Student's Name

$\qquad$
R-retain, D-delete, C-changed
Outcomes

Course Name Mathematics 3103

| A5convert numbers from: <br> percent to decimal <br> percent to fraction <br> decimal to fraction <br> decimal to percent <br> fraction to decimal <br> fraction to percent |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| GCO B:Students will demonstrate operation sense and <br> apply operation principles and procedures in <br> both numeric and algebraic situations. |  |  |  |  |
| B1add, subtract, multiply and divide fractions (both <br> mentally and using pencil and paper), and work with <br> patterns and graphs based on these operations with <br> fractions. |  |  |  |  |
| B2simplify complex fractions containing rational numbers. |  |  |  |  |
| B3add, subtract, multiply and divide decimal numbers <br> mentally. |  |  |  |  |
| B4solve simple equations involving percentages. |  |  |  |  |
| B5 | apply percentage increase and decrease in problem <br> solving situations. |  |  |  |
| B6 | apply the order of operations with rational numbers, <br> simple irrational numbers, and algebraic expressions. |  |  |  |

## Student's Name

R-retain, D-delete, C-changed
Outcomes

Course Name Mathematics 3103


## Student's Name

$\qquad$
R-retain, D-delete, C - changed
Outcomes

## Course Name Mathematics 3103

| GCO C:Students will explore, recognize and apply <br> patterns and relationships, both formally and <br> informally. |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| C1solve linear equations |  |  |  |  |
| C2factor polynomial expressions and use factoring to solve <br> polynomial equations in one variable of degree 2 or <br> higher. |  |  |  |  |
| C3solve polynomial equations of degree 3 or 4 using the <br> Rational Roots Theorem to identify a factor and then use <br> Synthetic Division to obtain and solve a depressed <br> equation. |  |  |  |  |
| C4recognize basic graphs of polynomial functions to degree <br> 4. |  |  |  |  |
| C5use graphs to obtain precise polynomial functions. |  |  |  |  |
| C6solve equations involving radicals and determine <br> extraneous roots. |  |  |  |  |
| C7solve equations involving rational expressions and <br> determine extraneous roots. |  |  |  |  |

