## ***NO CALCULATORS FOR THIS UNIT***

Learning Goals and Success Criteria: (I can...)
$\square$ Operations with Polynomials
$\square$ Factoring: Common, Trinomial $\{a \in I\}$, Difference of Squares, Perfect Squares
$\square$ Simplify Rational Expressions (includes Multiplying, Dividing, Adding and Subtracting)

- State restrictions on Rational Expressions

| Day | Section | Topic | Practice | Done <br> $\checkmark$ |
| :--- | :---: | :--- | :--- | :--- |
| 1 | 1.4 <br> pg. 28 | Operations with Polynomials | Pg. 29 \#1cf, 2cd <br> Pg. 31 \#8cd, 9adgk, 10f <br> Pgs. 33-34 \# 11fh, 12cd, 13bdf, 15cl <br> pg. 34 \#19 |  |
| 2 | pg. 3 | Review of Grade 10 work: <br> Simplifying, Solving and Factoring <br> (Use pg. 702 for help) | Pg. 3 \#1-7 (every other one for each <br> question) |  |
| 3 | 1.5 <br> pg. 35 | Simplifying Rational Expressions <br> and Stating Restrictions | Pgs. 40-41 \#1 adh, 2bdfh, 3bdfh, 4bdfh, <br> 5bd, 6ij, 8ce <br> pg. 43 \#15 |  |
| 4 | 1.6 <br> pg. 44 | Multiplying and Dividing Rational <br> Expressions | Pgs. 50-51 \#1ac, 2ace, 3ace, 4ace, 5ace, <br> 6aceg, 7ace, 8ac (eoo for 1-8), 9 |  |
| 5 | Homework take-up <br> QUIZ: 1.4, 1.5, 1.6 | A.7 <br> pg. 53 | Adding and Subtracting Rational <br> Expressions - Part I | Pgs. 58-59 \#1bd, 2acegi, 3ac, 4ac, 5fg, 6ace <br> pg. 60 \#11 |
| 7 | 1.8 <br> pg. 62 | Adding and Subtracting Rational <br> Expressions - Part II | Pgs. 67-68 \#3aceg, 5ace, 6acegi, 8ace, <br> 9ace, 10acegi <br> (eoo for all) |  |
| 8 |  | Function Notation and Equivalent <br> Expressions | Page 179 \#6-10 (a,c of each), Handout 1-1, <br> Challenge Questions |  |
| 9 | Review <br> (Doing practice questions is the best <br> way to study for math) | Handout 1-2 <br> Extra Practie: <br> Pg. 85 -89 \# 13-19, 21, 23, 25, 27 (Decide <br> how many of each question you need to do) <br> 20, 22, 24, 26 |  |  |
| 10 |  | First Lesson Unit 2 |  |  |
|  | UNIT TEST |  |  |  |

Bolded Questions: These are more difficult questions, try them out but don't be discouraged if cannot solve them.

