

## MATH 40 FINAL EXAM TOPICS

- 1 Order of operations
- 1 Operations on fractions
- 3 Simplifying expressions
- 5 Solve linear equations
- 1 Definition of natural number, whole number, integer, rational number, irrational number, real number
- 1 Simplify absolute value
- 2 Clearing fractions/decimals to solve equations
- 4 Solving linear inequalities
- 1 Simple interest problems
- 1 Evaluate expressions
- 2 Multiply polynomials
- 2 Divide polynomials
- 8 Factoring
- 1 Domain of a rational expression
- 1 Multiply rational expressions
- 1 Add/subtract rational expressions
- 2 Slope of a line
- 1 Identify the quadrant containing a point
- 1 Parallel/perpendicular lines
- 1 Solution to an equation of a line
- 1 Vertical/horizontal lines
- 1 X and Y intercepts
- 1 Graph of a line
- 1 Manipulating a formula
- 4 Operations with exponents
- 2 Solve the quadratic equation with factoring