

# Exam 3 Information - Math 143 GH

## Fall 2018

Reviews to study: Reviews for Quiz 14 and 16 and Exam 3 Review

Exam 3 will cover the following topics:

Simplifying Algebraic Expressions	Trig Function Values of Famous Angles
Review of Equations	Writing Equations of Lines
Fractions and Decimals	Circles - Part 1
The Real Numbers - Part 1	Simplifying Trig Expressions
The Zero Product Rule	Summation 1
Factoring A	Domain of Functions
Radical Expressions	Rational Exponents
Graphing lines	Computing Trigonometric Expressions
Exponents 1	The Quadratic Formula
Completing the Square 1, 2, 3	Logarithms 1
Factoring 1	Rotational Angles
$n$ th Root of a Number	Basic Exp. and Log. Equations
Introduction to Construction	Unit Circle Definitions
Triangle Inequality	Radical Equations
The Pythagorean Theorem	Circles - Part 2
Solving systems of equations by substitution by elimination	Trigonometric Identities 1
Linear Word Problems	Induction
Smallest Value of a Quadratic Expression	Basic Functions
Graph of a parabola - 1	Symmetries of the Unit Circle
Completing the Square - Part 4	Trigonometric Equations 1
Inequality and Interval Notation	Graphing Trigonometric Functions
Integer Exponents	Radian Measure
Combinatorics 1	Logarithms 1.5
Graphical Solutions	Trigonometric Identities 2
Similar Triangles	Arcs and Sectors in Circles
Complex Fractions	Rational Inequalities
Linear Inequalities	Logarithms 2
Graph of a Parabola - 2	Trigonometric Equations 2
Non-linear Systems	Proof of the Sum Formulas
Functions	Compound Angle Identities
Introduction to Set Theory - Part 1 and Part 2	Inverse Functions
Thales's Theorem	Trigonometric Identities 4
Optimization	Trigonometric Equations 3
Quadratic Inequalities	Vectors 1
Right Triangle Trigonometry	Summation 2
	Law of Sines - Part 1