

Exam 4 Information - Math 143 EN

Fall 2017

Exam 4 will cover the following:

Reviews: Exam 4 Review (both versions), and Reviews for Quiz 18 and 20

Lecture Notes: (all posted for Classes 1-30)

Simplifying Algebraic Expressions	Functions	Graphing Trig Functions
Review of Equations	Domain of Functions	Tangent Line
Fractions and Decimals	Right Triangle Trigonometry	By Completing the Square
The Real Numbers - Part 1	Circles - Part 2	Using the Discriminant
Factoring A	Trig Function Values of Famous	Graphing Polynomials - 1
Completing the Square 1, 2, 3	Angles	Law of Sines - Part 1
Factoring 1	Summation 1	Exponential Equations
Graphing Lines	Simplifying Trig Expressions	Vectors 1
Exponents 1	Rational Exponents	Arcs and Sectors in Circles
nth Root of a Number	Computing Trigonometric	Inverse Functions
Radical Expressions	Expressions	Vectors 2
Completing the Square - Part 4	Logarithms 1	Complex Numbers
Solving systems of equations	The Quadratic Formula	Trigonometric Equations 4
by substitution by elimination	Radical Equations	Law of Sines - Part 2
Linear Word Problems	Rotational Angles	Half-Angle Formulas
Introduction to Construction	Basic Exp. and Log. Equations	Inverse Trigonometric Functions
Triangle Inequality	Arithmetic Sequences	Graphing Polynomials - 2
The Pythagorean Theorem	Logarithms 1.5	Solving Triangles
Smallest Value of a Quadratic	Arithmetic, Geometric, and	Vectors 3
Expression	Harmonic Means	Discontinuities of Rational
Graph of a Parabola - 1	Trigonometric Identities 1	Functions
Inequality and Interval Notation	Induction	Trigonometric Equations 5
Graphical Solutions	Unit Circle Definitions	Transformations on Graphs
Integer Exponents	Rational Inequalities	Inverse Trigonometric
Complex Fractions	Another Method	Expressions
The Real Number System	Symmetries of the Unit Circle	Exponential Equations
Linear Inequalities	Radian Measure	Division of Polynomials
Graph of a Parabola - 2	Trigonometric Equations 1	Vectors 3
Similar Triangles	Basic Functions	Vectors 4
Combinatorics 1	Logarithms 2	Reciprocal of a Graph
Optimization	Proof of the Sum Formulas	Discontinuities of Rational
Quadratic Inequalities	Compound Angle Identities	Functions
Factoring 2	Trigonometric Identities 2	Remainder Theorem
Writing Equations of Lines	Trigonometric Identities 4	Graphing Rational Functions
Circles - Part 1	Trigonometric Equations 2	Polar Form of Complex Numbers
Non-linear Systems	Trigonometric Equations 3	