

Unit 1 Polynomials/Factoring

Add/Subtract Polynomials
Multiply Polynomials
Binomial Theorem
Factoring (GCF and Trinomials)
Factoring (Difference of Squares and Cubes)
Factoring (Sum of Squares and Review of Others)

Review Unit 1
Unit 1 Test

Unit 2 Zeros of Polynomial Functions

End Behavior/Find Zeros Using Factoring
Multiplicity of Zeros/Sketch Graph
Complex Zeros
Long Division/Remainder Theorem
Honors - Rational Roots Theorem (Finding Zeros of higher degree polynomials)

Review Unit 2
Unit 2 Test

Unit 3 Sequences and Series

Arithmetic and Geometric Sequence (Explicit Formulas)
Sigma Notation
Sum of Finite Geometric Series
Honors - Sum of Infinite Geometric and Finite Arithmetic Series

Review Unit 3
Unit 3 Test

Unit 4 Rational Expressions

Simplify
Multiply and Divide
Add/Subtract

Review Unit 4
Unit 4 Test

Big Rock Quizzes

Factoring
Binomial Theorem

Finding Zeros and State Multiplicities

Multiply/Divide/Add/Subtract

Calendar Math

September Statistics and Probability Definition:
Make Book
Scenario 1 - Population, Sample, Parameter of Int
Statistics and Inference (Example)
Random Sampling, Biased, Sampling Methods
Survey, Experiments, Observational Studies
Review
Quiz

October/November Statistics (Distributions)

Make Book
Empirical Rule
Normal Curve
Approximations
Box Plot
Distributions
Review
Quiz

November/December Trigonometry

Make Book
Parts of A Triangle
Pythagorean Theorem
SOH CAH TOA
Find Missing Side
Find Missing Angle
Angle of Elevation
Angle of Depression
Review
Quiz

January Cross Sections and Rotations

Unit 5 Solve Rational and Radical Equations

Restrictions/Solve Rational Equations
Solve Rational Equations
Solve Radical Equations

Review Unit 5
Unit 5 Test

Solve Rationals and Radicals

Make Book
Page 1 and 2
Page 3
Page 4
Page 5
Page 6

These car

Unit 6 Graphs of Functions (Key Features)

Domain/Range/Symmetry
Parent Functions all Key Features (assign project)
Transformations
Honors - Graph Rational Functions
Key Features of All Graphs

Review Unit 6
Unit 6 Test

Transformations
Key Features

Page 7 and 8
Page 9 and 10
Page 11 and 12
Page 13 and 14
Page 15
Review
Quiz

Unit 7 Trigonometry

Area of a Triangle/Start Law of Sines
Finish Law of Sines
Law of Cosines
Review of Sines/Cosines/Area
Test Sines/Cosines/Area
Unit Circle (Convert Radians to Degrees)
Unit Circle (Evaluate sin,cos,tan) **Honors** - (Evaluate cot,sec,csc)
Graph Sine and Cosine
Graph Sine and Cosine with Phase Shift/Word Problems (Cr Word Problems)

Honors - Graph Tangent
Review Graphing
Test Graphing

Honors - Symmetry/Inverse Trig Functions
Honors - Solving Trigonometric Equations

Unit 7 Review
Unit 7 Test

Evaluate Angles Using Unit Circle
Honors - Evaluate Inverse Trig Functions

February Area and Perimeter
Make Book
Square/Rectangle
Parallelogram
Trapezoid
Triangle
Circle
Pentagon
Hexagon
Octagon
Review
Quiz

Unit 8 Systems of Equations

March/April Volume and Surface Area
Rectangular Prism
Rectangular Pyramid
Trigangular Prism
Triangular Pyramid
Cylinder
Cone

Box Problem
Average Rate of Change
Solve Systems of Equations
Solve Inequalities
U-Substitution

Review Unit 8
Unit 8 Test

Unit 9 Building Functions

Combine Functions/Evaluate Combined Functions
Honors- Composition of Functions
Inverse Functions
Solve For Specific Variable

Review Unit 9
Unit 9 Test

Unit 10 Logarithms

Properties of Logs
Expand/Condense
Solve Logs
Inverse Logs and U-Substitution

Unit 10 Review
Unit 10 Test

Review For Sage

Box Problem
Solving Inequalities
U-Substitution

Solving Logarithms

Sphere
Hexagonal Prism
Review
Quiz

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erest, Population Parameter

1 all be condensed to get through
much quicker!