

Unit Topic or Title, District, Grade Level, Teacher Name:
 PreCalculus 1054 Alfred State Unit 1 – Algebra Review and Linear Functions

Assessments

Test #1 from Alfred State

Nightly graded homework assignment

Questioning during class

Class Participation

Prioritized Math Content Target Standards (70%):

Non-Prioritized Math Content Target Standards:

Vocabulary:

Linear

Domain

Range

Line Symmetry

Point Symmetry

Quadratic Formula

Abscissa

Ordinate

Resources: (Text Alignment):

PreCalculus Enhanced with
 Graphing Utilities Version 5e
 Pearson/Prentice Hall

Digital Mathematical Tools:

SmartBoard

TI 84 Calculators

TI Smartview

Math websites related to each topic

Targeted Standards for Mathematical Practice:

Solve linear equations Solve quadratic equations Solve rational equations

Discuss domain and range with rational and irrational functions Determine line and point symmetry of equations and graphs

Determine slope-intercept, point-slope, and standard form of a linear equation Factor using multiple methods

Understand the standard and general form of a circle Solve equations involving circles

Instructional Calendar

Unit Topic or Title, District, Grade Level, Teacher Name:

PreCalculus 1054 Alfred State Unit 5 Trigonometry, Inverse Trig Functions, Trig Identities

Assessments

Test #5 from Alfred State

Nightly graded homework assignment

Questioning during class

Class Participation

Prioritized Math Content Target Standards (70%):

Non-Prioritized Math Content Target Standards:

Vocabulary:

Law of Sines

Law of Cosines

Double Angle

Half Angle

Resources: (Text Alignment):

PreCalculus Enhanced with
Graphing Utilities Version 5e
Pearson/Prentice Hall

Digital Mathematical Tools:

SmartBoard

TI 84 Calculators

TI Smartview

Math websites related to each topic

Solve Inverse Trigonometric Equations

Solve increasingly complex trig identities

Use the sum and difference formulas

Solve Trigonometric Equations

Solve equations using Double and Half Angle Formulas

Solve triangles using Law of Sines

Solve Triangles using Law of Cosines

Find the Area of any Triangle

Instructional Calendar

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