PACING
IQ FS11

TEACHER: Or Neeman

SUBJECT: Principles of Mathematics

GRADE: 10B

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
	July 26 **QUADRATIC FUNCTION** Introductions, syllabus ********** Stategies for math, quadratic functions First Day of School	27 Characteristics of quadratic functions	28 Graphing quadratic functions ********** Practice graphing quadratic functions	29 Find intersection points of quadratic functions
August 1 Find intersection points of quadratic functions	2 Solve exercises involving intersection points ********** Finding vertices of quadratic functions	3 Finding vertices of quadratic functions	4 Exercises about points of intersection and vertices ********** Range and intervals of monotonicity	5 Apply the function's characteristics in solving problems
8 Exercises to review quadratic functions	9 Quiz #1 ********** **EXPONENTIAL FUNCTION** Definition	10 Learn the characteristics of the exponential function	11 Increasing and decreasing exponential functions ********** Range, monotonicity, domain	12 Other characteristics of the exponential function
HOLIDAY 15	16 Problems involving exponentials and their properties ********** Problems involving exponentials and their properties	17 Quiz #2	18 Transformations of exponential functions ********** Transformations of exponential functions	19 Exponential equations

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
August 22 Exponential equations	23 Problems with exponential equations ********** Review for midterm	24 Review for midterm	25 Midterm #1 ********** Midterm #1	26 **LOGARITHMIC FUNCTION** Logarithmic function defined and used for isolating exponents Progress Report
29 Exercises about isolating exponents	30 Logarithmic function as inverse of exponential ********** Finding images and preimages	31 Define logarithms, exercises	September 1 Properties of the logarithmic function ********** Properties of the logarithmic function	2 Exercises on properties of logarithmic function
5 Quiz #3	6 Simplifying logarithmic expressions ********** Simplifying logarithmic expressions	7 Problems involving simplifying logarithmic expressions Civic Week	8 Solving logarithmic equations ********** Solving logarithmic equations Civic Week	9 Solving logarithmic equations Civic Week
12 Problems involving logarithmic and exponential equations Civic Week	13 Problems with log. and exp. equations ********** Quiz #4 Civic Week	14 Applications of logarithms and exponentials Civic Week General Assembly	HOLIDAY 15	16 Review for midterm
19 Review for midterm	20 Midterm #2 ********** Midterm #2 End of Bimester	21 TRIGONOMETRY Basic concepts of trigonometry	22 Representing angles in standard position ********** Quadrantal angles	23 Find quadrantals of terminal sides of non-quadrantal angles Report Cards Fall Break

PACING
IIQ FS11

TEACHER: Or Neeman

SUBJECT: Principles of mathematics

GRADE: 10B

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
October 3 VACATION	4 Coterminal angles ********** Exercises involving angles	5 Reference angles, degrees and radians	6 Reference angles, degrees and radians ********** Quiz #5	7 Review trigonometric ratios, cofunctions, and reciprocals
10 Exercises about trigonometric ratios	11 Signs of trigonometric functions ********** Find values of functions for positive angles	12 Find values of functions for negative angles	13 Exercises on trigonometric functions ********** Exercises to review angles and trigonometric functions	14 Trigonometric unit circle
HOLIDAY 17	18 Find values of functions given an ordered pair ********** Find values of functions given an ordered pair	19 Exercises about trigonometric circle	20 Trigonometric identifies ********** Quiz #6	21 Simplify expressions using trigonometric identities
24 Review for midterm	25 Midterm #3 ********** Midterm #3	26 Trigonometric equations	27 Trigonometric equations ********** Trigonometric equations	28 Arts Fair

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
31 Graph trigonometric functions	November 1 Graph trigonometric functions ********** Properties of trigonometric functions	2 Images and preimages with trigonometric functions	3 General review of trigonometry ********** Quiz #7	4 **PROBABILITY** The concept of probability Progress Report
7 Find probabilities using the empirical rule	8 Using probability rules ********** Using conditional probabilities	9 Find probabilities using contingency tables	10 Find probabilities using contingency tables ********** Find probabilities using trees	11 Exercises about probability
14 Exercises about probability	15 Quiz #8 ********** **FINANCIAL TOPICS** Simple interest	16 Compound interest	17 Finding and using exchange rates ********** Exercises involving interest and exchange rates	18 **SET THEORY** Finding subsets of R
21 Unions and intersections of sets	22 Carry out set operations ********** Carry out set operations	23 Using Venn diagrams for set operations	24 Using Venn diagrams for set operations ********** Exercises about sets	25 Review for midterm Thanksgiving
28 Review for midterm	29 Midterm #4 ********** Midterm #4	30 Review	DECEMBER 1 Review	2 Semester Exams
Semester Exams 5	Semester Exams 6	Semester Exams 7	Semester Exams 8	Last Day School 9