PAREF Southcrest

GENERAL MATH WITH PRECALCULUS 11
TOPIC OUTLINE (2nd Semester)

MIDTERM
Overview of the subject General Math with Precalculus and its importance
Introduction to Proving by Mathematical Induction
Proving by Mathematical induction and intro to Binomial Theorem
Binomial Theorem
Polar Coordinate system ● Polar coordinates ● Conversion from rectangular to polar coordinates and vice versa
Graphs of Polar equations

FINALS
Complex Numbers ● Polar form of Complex numbers ● Product and Quotient Theorems
Continuation on Complex Numbers ● De Moivre's Theorem ● Roots of complex numbers
Introduction to Calculus
Review of Functions
Different types of functions
Graphing different types of functions
Functions as mathematical models