

Grade 10-11

Distance Learning Module 7: Week of: May 18th – May 22nd

Pre-Calculus Honors - Modified from [Unit E - Sequences, Series and Probability](#)

Targeted Goals from Stage 1: Desired Results

Content Knowledge: using counting principles to determine probabilities

Vocabulary: Combinations, Permutations

Skills: Use the rules of probability to compute probabilities of compound events.

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Permutations	Khan Academy video: Possible three letter words Khan Academy video: Zero factorial or 0! Khan Academy video: Ways to arrange colors Khan Academy video: Ways to pick officers	Khan Academy practice: Permutations
Tuesday: Check-in	Virtual class meeting	Review assignments and any problems that the students are experiencing

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Wednesday: Combinations	Khan Academy video: Intro to combinations Khan Academy video: Combination formula Khan Academy video: Handshaking combinations	Textbook p.698, #9-21 odd, 37-41 odd, 47-59 odd
Thursday: Permutations and Combinations	Khan Academy video: 9 card hands	Khan Academy practice: Combinations Khan Academy practice: Permutations & combinations
Friday: Check-in	Virtual class meeting	Review assignments and any problems that the students are experiencing

Week criteria for success (attach student checklists or rubrics): Students will be able to determine the probability of independent and dependent events.

Supportive resources and tutorials for the week (plans for re-teaching): Khan Academy, Pre-Calculus with Limits by Larson and Hostetler, virtual class meetings