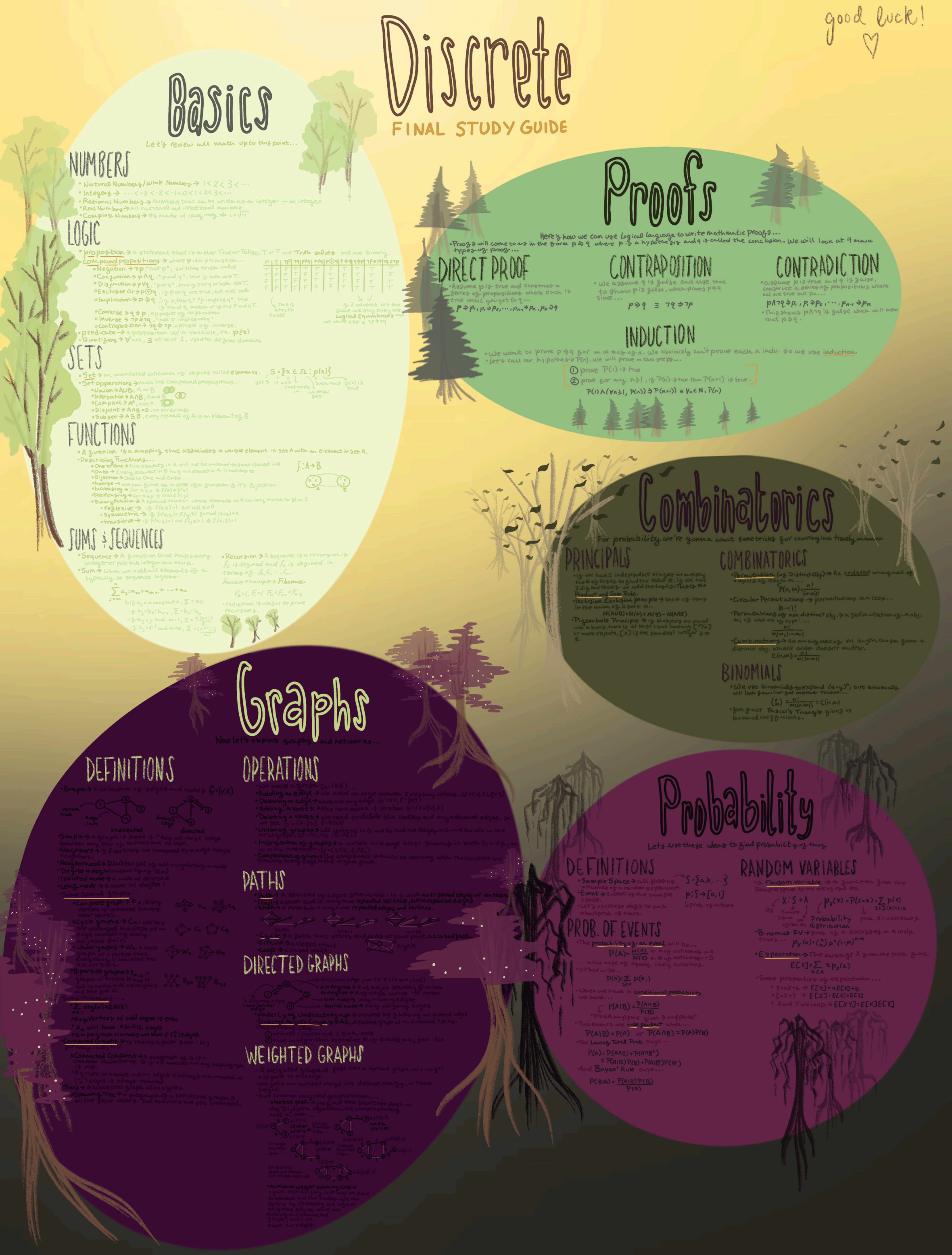
Discrete
FINAL STUDY GUIDE
good luck!
Basics
Let's review all math up to this point...
NUMBERS
LOGIC
SETS
FUNCTIONS
SUMS & SEQUENCES
Proofs
Here's how we can use logical language to write mathematic proofs...
DIRECT PROOF
CONTRAPOSITION
CONTRADICTION
INDUCTION
Combinatorics
For probability we're gonna want some tricks for counting in a timely manner
PRINCIPALS
COMBINATORICS
BINOMIALS
Graphs
Now let's explore graphs and networks...
DEFINITIONS
OPERATIONS
PATHS
DIRECTED GRAPHS
WEIGHTED GRAPHS
Probability
Lets use these ideas to find probability of things.
DEFINITIONS
RANDOM VARIABLES
PROB. OF EVENTS