

Date	Meeting Topic	Assigned Reading
01/17/24	Geometry of regular polygons & Polyhedra <ul style="list-style-type: none"> - Internal, External angles - Plane Angles, Dihedral Angles, Solid angles Existence of Platonic solids <ul style="list-style-type: none"> - Defining Equation - Existence for Mathematicians - Paper figures 	Intro.10: Basic Concepts II.6: Constructing the Platonic Solids <ul style="list-style-type: none"> - Read <u>One</u> construction (pick your fave platonic solid) II.7: The discovery of the regular Polyhedra
01/24/24	Discussion <ul style="list-style-type: none"> - Questions from reading Operations on Polyhedra <ul style="list-style-type: none"> - Operations as functions - Truncation, Rectification, Dual, Snub, other operations - Compounds? Archimedean solids (Polyhedra Viewer) <ul style="list-style-type: none"> - Paper figures (Just one or two) 	II.9: Bending the Rules II.10: The Archimedean Solids Polyhedra Worksheet IV.6: The Archimedean Solids <ul style="list-style-type: none"> - Optional - Archimedean solids version of defining equation for Platonic Solids
01/31/24	Discussion <ul style="list-style-type: none"> - Questions from reading Intro to Graph Theory MATH 126 Midterm 1	Finish Polyhedra Worksheet Graph Theory Worksheet
02/07/24	Discussion <ul style="list-style-type: none"> - Questions from reading Euler's formula proof <ul style="list-style-type: none"> - Some other inequalities Presentation Practice	II.3: Abstraction II.4: Prim. Objects and unproved theorems IV.9: Exceptions which prove the rule Euler's formula Worksheet
02/14/24	Discussion <ul style="list-style-type: none"> - Questions from reading - Polyhedron Definition Intro to Symmetries <ul style="list-style-type: none"> - Symmetric Group, Dihedral Group, Cyclic Group - Some notation & Axioms - Reflection Symmetries 	Symmetries Worksheet

02/21/24	Discussion <ul style="list-style-type: none"> - Questions from reading More on Symmetries <ul style="list-style-type: none"> - Abstract Equivalences - Poles - Finite subgroups of $SO(3)$? MATH 126 Midterm 2	VIII.4: How many systems of rotational symmetry are there? Finish Symmetries Worksheet Work on Final Presentation
02/28/24	Discussion <ul style="list-style-type: none"> - Questions from reading Presentation Practice	Work on Final Presentation
03/06/24	Final Presentation Practice	Final Presentation