**REQUIREMENTS:**

Create (4) 11"x17" Drawings

Process:

Step 01: By hand, start a pen texture library by experimenting with different techniques from the pen techniques lecture (Linked at the bottom of page 2). Your library should consist of (9) 2" x 2" samples arranged in a 3 x 3 grid, see example on page 2.

Step 02: Digitize your pen samples

Step 03: Use Rhino to create the (3) drawings from Chapter 1 listed below

Step 04: Use Photoshop to apply your pen textures to your digital drawings.

Step 05: Repeat Steps 02-04 to produce the (3) drawings from Chapter 2 listed below

Read Ch1 of Polyhedra Primer. Pearce & Pearce - reading link is at the bottom of page 2

(Arrange each drawing below on **one 11x17** page)

Draw (1) Regular Polygon

Draw (1) Polygon with Mirror Symmetry

Draw (1) N-fold Polygon with no Mirror Symmetry

Read Ch2 of Polyhedra Primer. Pearce & Pearce - reading link is at the bottom of page 2

(Fill **three separate 11x17** pages with each drawing below)

Draw (1) type of Regular Tessellation

Draw (1) type of Mirror Symmetry Tessellation

Draw (1) type of Rotational Symmetry Tessellation with no Mirror Symmetry

Note: All line drawings must demonstrate good line weights.

DUE DATE AND TIME:

BEFORE CLASS-03

SUBMIT:

UPLOAD YOUR PDF FILE TO THE CLASS SHARED FOLDER

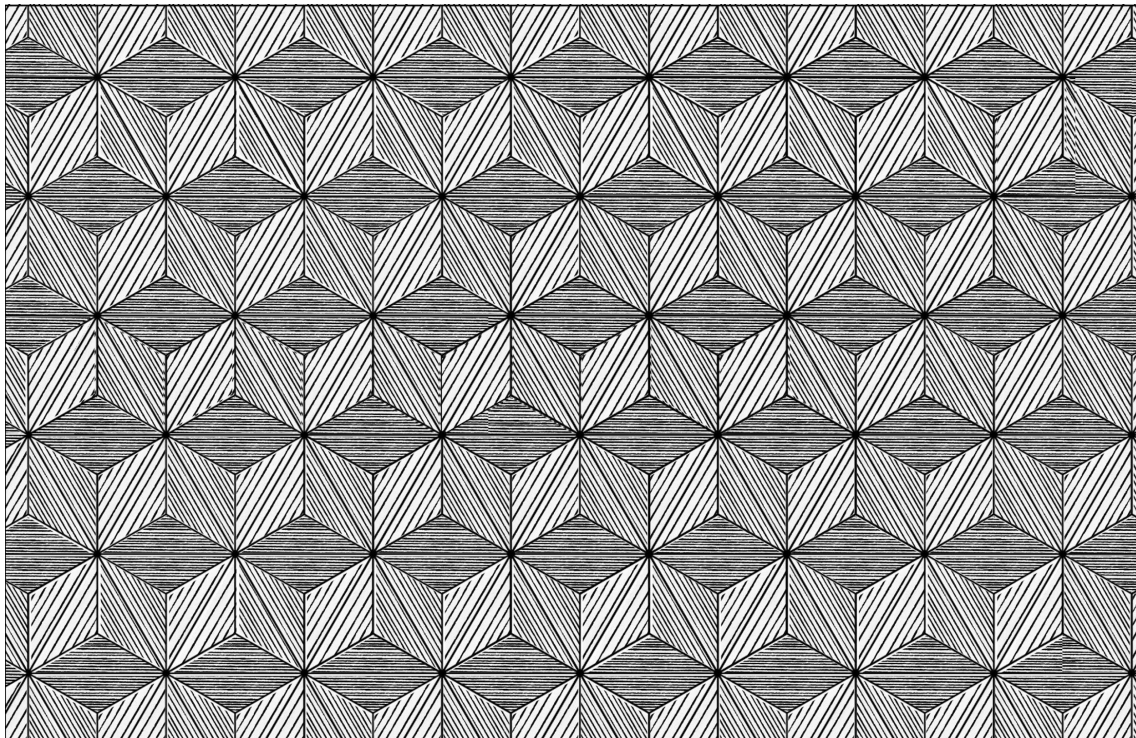
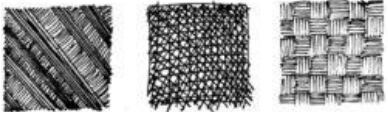
FILE NAMING:

FIRSTNAME_LASTNAME_A#.PDF

STUDENT WORK EXAMPLES:



< pen texture sample library



^ Nonuniform, periodic, tessellation of nonregular polygons with applied pen textures

ADDITIONAL RESOURCES:

[2D Drawing in Rhino Video Tutorial](#)

[Polyhedra-Primer-Ch1-Pearce-Pearce](#)

[Polyhedra-Primer-Ch2-Pearce-Pearce](#)

[Pen Techniques Lecture](#)