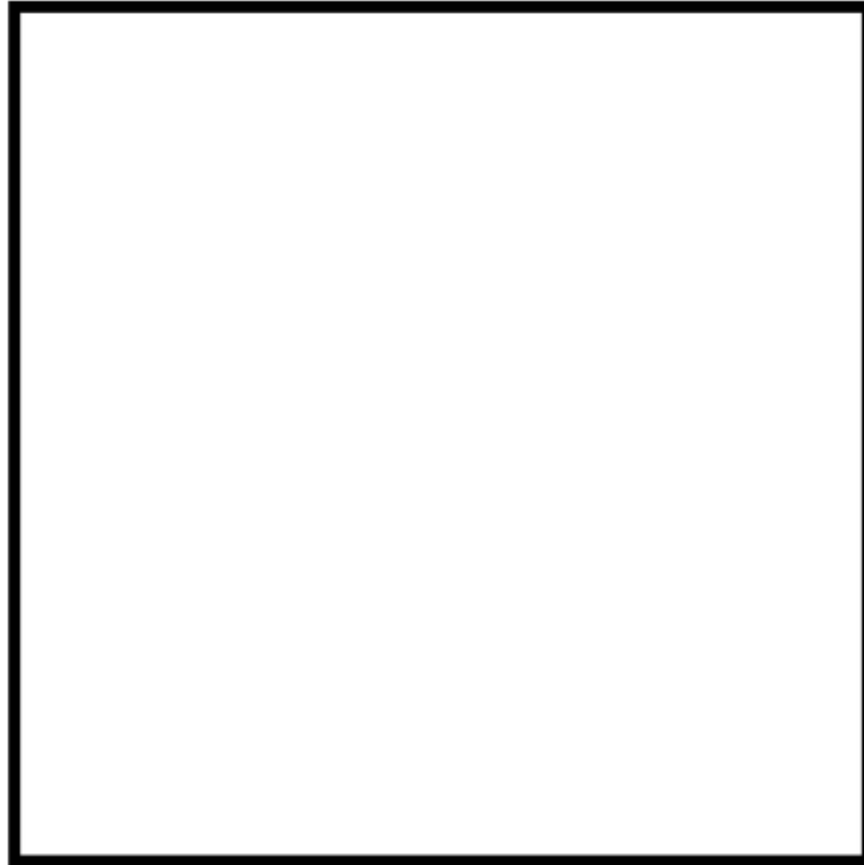


Name: _____

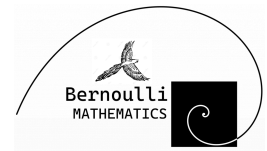
Project: The Art of Geometric Drawing

Draw a sketch of your design here (all of these elements should be present in your final drawing):



Use color-coding to identify each of the required elements in your design (trace the element with a particular color, and fill in the box with the same color):

- ☐ In the center of left and right sides of your piece, draw a half circle with radius of 1.5 inches
- ☐ Draw an equilateral triangle with sides that are 2 inches. It cannot be intersected by anything else.
- ☐ Draw either a circumscribed or inscribed triangle
- ☐ Draw at least one special triangle (30-60-90 or 45-45-90)
- ☐ 1 set of perpendicular lines
- ☐ 1 set of perpendicular lines
- ☐ 1 set of perpendicular lines
- ☐ 1 angle bisector
- ☐ 1 angle bisector
- ☐ 1 angle bisector
- ☐ 1 set of parallel lines



Name: _____

GRADATION:

Red 1: Aaron

Red 2: Anna

Red 3: Aubrey

Orange 1: Hope

Orange 2: Finn

Orange 3: Ezekiel

Yellow 1: Julia

Yellow 2: Hadley

Yellow 3: Gwen

Green 1: Bella

Green 2: Isabelle

Green 3: Simon

Green 4: Louise

Blue 1: Peter

Blue 2: Sam

Blue 3: Juan

Blue 4: Tori

Purple 1: TBD

Purple 2: Vincent

Purple 3: West

Purple 4: Corah

Your left half-circle should be the same color as the person before you.

Your right half-circle should be the same color as the person after you.

These half-circle colors should fade from red to purple down the pieces.

Your equilateral triangle should be a solid color that is close in color to your half-circles.

All of the colors used in your piece should be in the same color group as your assigned color.

Name: _____

RUBRIC:

Category	4	3	2	1
Lines	<ul style="list-style-type: none"> -All lines are visible -All lines are consistent -No stray marks are visible -All lines are made with a straight edge or compass 	<ul style="list-style-type: none"> -Almost all lines are visible -Almost all lines are consistent -No stray marks are visible -All lines are made with a straight edge or compass 	<ul style="list-style-type: none"> -Most lines are visible -Most lines are consistent -1-2 stray marks are visible -Most lines are made with a straight edge or compass 	<ul style="list-style-type: none"> -Most lines are not visible -Most lines are not consistent -More than 2 stray marks are visible -Most lines are not made with a straight edge or compass
Required Elements	All elements are present and accurate	1 element is missing or inaccurate	2 elements are missing or inaccurate	More than 2 elements are missing or inaccurate
Color	<ul style="list-style-type: none"> -All colors used are in your color family -All coloring is even -All color is inside the lines 	<ul style="list-style-type: none"> -All colors used are in your color family -Almost all coloring is even -All color is inside the lines 	<ul style="list-style-type: none"> -All colors used are in your color family -Most coloring is even -Almost all color is inside the lines 	<ul style="list-style-type: none"> -All colors used are NOT in your color family -Most coloring is NOT even -Most color is NOT inside the lines
Collaboration/ Gradation	<ul style="list-style-type: none"> -Your half-circles match exactly with your neighbors in position and color -Your equilateral triangle is a color that makes sense with your neighbors 	<ul style="list-style-type: none"> -Your half-circles match exactly with your neighbors in position and color -Your equilateral triangle almost makes sense with your neighbors 	<ul style="list-style-type: none"> -Your half-circles match exactly with your neighbors in EITHER position or color -Your equilateral triangle almost makes sense with your neighbors 	<ul style="list-style-type: none"> -Your half-circles do NOT match exactly with your neighbors in position or color -Your equilateral triangle doesn't make sense with your neighbors
Design	<ul style="list-style-type: none"> -You clearly took extra time creating a design that is attractive and creative -Your final product matches your sketch -You used color carefully to distinguish your elements and enhance the product 	<ul style="list-style-type: none"> -Your design is attractive and creative -Your final product matches your sketch -Your color helps to distinguish the elements of your design 	<ul style="list-style-type: none"> -Your design is somewhat attractive and creative -Your final product matches your sketch with no more than one exception -Your use of color causes some elements to be lost or harms the final product 	<ul style="list-style-type: none"> -Your design is lacks attractiveness or creativity -Your final product matches does not match your sketch more than once -Your use of color detracts from your piece