

Construct An Art Project!

Due: October 11 (or when we get back to school)

You will be creating a piece of artwork that represents yourself or your culture. Using only a compass and straightedge for the constructions, you will make the following constructions into a drawing or artistic piece that will be an expression of you or your culture.

Your final piece must include each of the 7 following constructions: *(check it off as you complete each one!)*

- ☐ Copy a segment
- ☐ Copy an angle
- ☐ Angle Bisector
- ☐ Perpendicular Bisector of a line segment
- ☐ Perpendicular to a given point not on the line
- ☐ Perpendicular to a given point on the line
- ☐ Line parallel to a given line through a point not on the line

Before you begin, create a *rough draft* of how you want your piece of artwork to look. Draw a sketch of the constructions as well as how you want your drawing to look.

Once you have created your rough draft, use a compass and straightedge to draw the actual constructions for your final draft and add whatever you would like to create your artistic representation from it. Be creative and make it colorful! **Outline** the 8 constructions in a dark black marker or pen so I can clearly identify where you have included your geometric constructions. **DO NOT** erase many lines or marks you needed to make in order to create your constructions.

Finally, you will reflect on how it represents you as a person or represents the culture you identify with. Once you have completed your artwork, **write a paragraph** that describes the piece and how it represents you or your culture. Your paragraph must be typed and must be descriptive.

Scoring Rubric

14 points: 2 points for each of the constructions below

	2	1
Copy a segment	Segment is precise and straight	Included, but not precise or straight
Copy an angle	Angle is precise with both sides perfectly straight	Included, but not precise or straight
Angle Bisector	Angle is bisected perfectly in the middle, all lines perfectly straight	Included, but not precise (angle not exactly bisected or lines not straight)
Perpendicular Bisector	Segment is bisected perfectly in the middle at a right angle, all lines perfectly straight	Included, but not precise (bisector not exactly in the middle or lines not straight)
Perpendicular to a given point not on the line	Lines are perpendicular and through point not on the given line at a right angle, all lines perfectly straight	Included, but not precise (lines not exactly perpendicular or not straight)
Perpendicular to a given point on the line	Lines are perpendicular and through point on the given line at a right angle, all lines perfectly straight	Included, but not precise (lines not exactly perpendicular or not straight)
Parallel Lines	Both lines perfectly straight and parallel	Included, but not precise (lines not exactly parallel or not straight)

5 points: Creativity and Color

5	4	3	2	1
Design is fully complete, creative and colorful, taking up the entire paper	Design is complete, colorful and creative, but somewhat sloppy	Design is mostly complete, but sloppy and not very colorful	Design is not fully complete or not colored at all	Design is not complete

5 points: Paragraph explanation of your artwork

5	4	3	2	1
Paragraph is typed and descriptive and clearly explains the artwork's representation of you or your culture, detailing specific aspects of the work	Paragraph describes the artwork, and is reflective on its representation of you or your culture	Paragraph describes the artwork, but is not very reflective on its representation of you or your culture	Paragraph is included, but description is not reflective of you or your culture	Paragraph is not typed, is short and not descriptive of the artwork

Final Score: _____/24