Name: _____   Pd.: _____

GRAPHIC DESIGN PROJECT: Points, Lines, Planes and Angles, oh my!

You are the graphic designer at my start-up company: **KOLTYMATH** – an educational website to help students with getting an A in their Geometry classes.   We are launching our company website and each employee must have a **logo** to go with their name.   As a Geometry resource, the logo must echo the company mission – to educate the world in the ways of all things Geometry.   As president and CEO, I have developed a list of requirements that I need satisfied with each employee's unique logo.   In addition to satisfying the list of requirements, the final product must be aesthetically pleasing.   The logo of your name/nickname (5 letters minimum) must be comprised of the building blocks of Geometry: points, lines, planes, and angles with accurate measurements (**using a protractor**), in a creative and unique way!
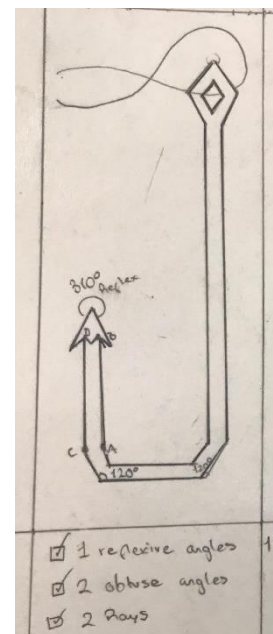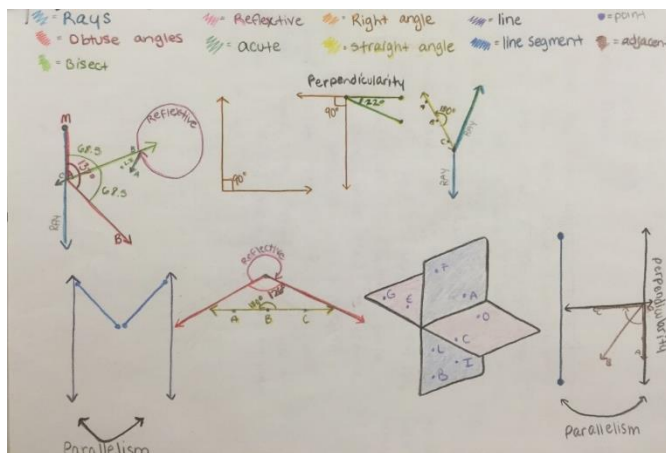
You will include a **clear guide** for me to find the evidence of each requirement being met: i.e. a key, labeling, or color coding.   You will have to submit a clear list of what requirements are met with each letter in your name.   You will be assessed using the rubric on the back of this handout, become familiar with it.   You can not use the same angle/shape to represent more than one element (ex: if it's a right angle, it can't also be used as an instance of perpendicularity).

Logo Requirements: *use the list below as a checklist*

- ☐ Angles: *labeled with accurate measurements*
  - o 2 Obtuse Angles
  - o 2 Acute Angles
  - o 2 Right Angles
  - o 2 Straight Angles
  - o 2 Reflexive Angles
- ☐ 3 Line Segments
- ☐ 3 Rays
- ☐ 2 Lines
- ☐ 1 Plane
- ☐ 1 Point

- ☐ 3 Pairs of Parallel Lines
- ☐ 3 Pairs of Perpendicular Lines
- ☐ 1 Pair of Adjacent Angles
- ☐ 1 Line Segment being Bisected
  (*construction with a compass*)
- ☐ 1 Angle being Bisected
  (*construction with a compass*)
- ☐ 1 Pair of Vertical Angles
- ☐ 1 Linear Pair
- ☐ 1 Pair of Complementary Angles

See the example below to get an idea of what is being asked: *The logo below does not satisfy all the requirements of the project and did not receive above a B, however, it gives you an idea of what I am looking for.*

Common Mistakes:

Name: _____   **Pd.: _____**

SELF REFLECTION	Excellent	Good Work	Almost There	Keep At It	Not Yet
Evidence of Geometry Building Blocks *The new logo employs all of the requirements*	The logo design incorporates all the required elements in a **meaningful way**, the required elements are integrated into the design (the elements aren't haphazardly thrown onto the logo out of context simply to meet the requirements).	The logo design incorporates **all** the required elements.	The logo design incorporates the **majority** of required elements.	The logo design incorporates **some** of the required elements.	The logo design **is missing the majority** of required elements.
Accuracy *The elements are identified correctly*	**Key**: There is a **clear guide** for the teacher to find evidence of each of the requirements that makes it easy for the teacher to find the required elements for the logo design. **Requirements**: **All** of the requirements are met and accurate.	**Key**: There is a **clear guide** for the teacher to find evidence of each of the requirements. **Requirements**: A **minimum of 11 out of 14** requirements are met and accurate.	**Key**: There is a guide for the teacher to find evidence of each of the requirements that however **the guide is unclear in parts.** **Requirements:** a **minimum of 9 out of 14** requirements are met and accurate.	**Key**: There is a guide for the teacher to find evidence of each of the requirements but it is **not clear or easy to follow**. **Requirements:** a **minimum of 6 out of 14** requirements are met and accurate.	**Key**: There is **no guide** for the teacher to find evidence of each of the requirements. **Requirements: less than 6 out of 14** requirements are met and accurate.
Use of Mathematical Tools *The logo is developed using a protractor and straightedge*	**All** of the requirements are constructed using a protractor and straightedge.	**At least 85%** of requirements are constructed using a protractor and straightedge.	**At least 70%** of requirements are constructed using a protractor and straightedge.	**At least 55%** of requirements are constructed using a protractor and straightedge.	**Less than 55%** of requirements are constructed using a protractor and straightedge.
Overall	The final product is aesthetically pleasing, and accurate.	The final product is aesthetically pleasing and mostly accurate.	The final product is mostly accurate.	The final product made an attempt at accuracy.	The final product was not handed in or lacked in all key areas of the rubric.

TEACHER ASSESMENT	Excellent	Good Work	Almost There	Keep At It	Not Yet
Evidence of Geometry Building Blocks *The new logo employs all of the requirements*	The logo design incorporates all the required elements in a **meaningful way**, the required elements are integrated into the design (the elements aren't haphazardly thrown onto the logo out of context simply to meet the requirements).	The logo design incorporates **all** the required elements.	The logo design incorporates the **majority** of required elements.	The logo design incorporates **some** of the required elements.	The logo design **is missing the majority** of required elements.
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Final Grade: _____