Group Members Names:

Period: Date due:

|  |  |
| --- | --- |
| Category Points | Points earned |
| Pre-image points- listed  (10 points)  (on back) |  |
| Correct Transformations Written Rules  (8 points each)  (on front) | 1)  2)  3)  4)  5) |
| Correct transformed points-listed  (10 for each transformation)  (on back) | T1:  T2:  T3:  T4:  T5: |
| Correct Transformation Graphed  (4 points each)  (on front) | Pre-Image:  Image: |
| Neatness/Organization  (10 points )   * Perfect: 10 points * Good: 7 points * Needs improvement: 4 points * None: 0 points |  |
| Total points available: 118 | **Total Earned:** |

In groups of 3-4 you will be creating a picture (image) that you will be transforming using the transformation rules we have learned. Please adhere to the listed requirements below.

Requirements:

* Select **10 coordinate points** (x, y) that make a picture.
  + List these points on the **BACK** of your poster
* Create and decide amongst your group the transformations you want to perform. You **MUST** complete **5 transformations**. You may only repeat **ONE TYPE** of transformation. You **may not** repeat a translation.
* You must list you rules symbolically on the **FRONT** of your poster.
* You must show the points for each transformation on the **BACK** of your poster.
* Each transformation will build off the previous transformation.
* When you complete your last transformation, you will **graph** the pre-image and the final (transformed) image on the **FRONT**.
* Please add color and creativity to you pre-image and final image.

You will be graded according to the given rubric. Your work must be **NEAT and ORGANIZED**. Please include all names of the group members.

**DO NOT LOSE THIS RUBRIC AS YOU NEED TO TURN IT IN WITH YOUR PROJECT. FAILURE TO PROVIDE THE RUBRIC WILL RESULT IN A LOSS OF 15 POINTS.**

**YOUR Name:**

**On a scale of 0-9 (9 being best) rate the effort and contribution of this group member. COMMMENTS ARE REQUIRED FOR EACH MEMBER. In your comments you could include things such as: slept the whole time, didn’t contribute, did all the work themselves, found points for each transformation, engaged, encouraged, and ignited my passion for mathematics.**

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| **Group Member Name** | **Rating** | **Comments** |
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**BE SURE TO INCLUDE THE RATING FOR YOURSELF!!!!!!!**