Geometry Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Transformations Review So Far…**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Translating a point by (x – 2, y + 5) means: | Translating a point by (x – 3, y) means: |  |
|  | **Write the coordinates of the image:**  Reflect (5, -8) across the x-axis  Reflect (5, -8) across the y-axis | **Write the coordinates of the image:**  Reflect (5, -8) across the line y = -x |  |
|  | **Write the coordinates of the image:**  Rotate (-5, 4) 90° clockwise about the origin.  Rotate (7, 10) 270° clockwise about the origin. | **Write the coordinates of the image:**  Rotate (-5, 4) 90° counterclockwise about the origin.  Rotate (7, 10) 270° counterclockwise about the origin. |  |
|  | **Write the coordinates of the image:**  Rotate (-7, 0) 180° about the origin. | **Write the coordinates of the image:**  Rotate (-7, 9) 180° about the origin. |  |
|  | Define Congruent: | Define  Translation:  Rotation:  Reflection: | Define dilation:  Why is a dilation NOT an isometry? |
|  |  |  |  |