Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_ Period: \_\_\_\_\_\_ Date: \_\_\_\_

**2.7B HW**

***Write a rule to describe each transformation.***

|  |  |  |  |
| --- | --- | --- | --- |
| 1.Notation Rule:(x,y) 🡪  | 2.Notation Rule:(x,y) 🡪 | 3.Notation Rule:(x,y) 🡪 | 4.Notation Rule:(x,y) 🡪 |

***Graph the image of the figure using transformation given.***

|  |  |
| --- | --- |
| 5.Dilation of 0.5Notation Rule: (x, y) 🡪Type of Dilation: | 6.Dilation of $\frac{3}{5}$ A(-5, 5) B(-5, 10) C(10, 0)Image result for graphNotation Rule: (x, y) 🡪 Type of Dilation:  |

**BACK 🡪**

***Determine whether the dilation from Figure A to Figure B is a reduction or an enlargement. Then, find the values of the variables.***

|  |  |
| --- | --- |
| 7. | 8. |
| 9. | 10. |

|  |
| --- |
| 11.The screen on your old television is 20 inches wide and 15 inches high. The screen on your new widescreen television is 16 inches wide and 9 inches high. Is the screen on your new TN a dilation of the screen on your old TV? Explain. |