Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class Period\_\_\_\_\_

***KHM Formative 3: Translations***

**Translate the basic design element below one inch to the left, two times. You should end up with three total trapezoids.**

**Translate each figure according to the translation rule.**

(x,y) to (x, y – 4)

(x,y) to (x – 3, y – 3)



(x,y) to (x – 2, y)

(x,y) to (x + 1, y + 1)

**Write the translation rule for the image of each figure.**



**Complete the data table by writing the coordinates of the new point after applying the translation rule.**

|  |  |  |
| --- | --- | --- |
| **Original Point** | **Translation Rule** | **Image Point** |
| **I (3, 7)** | **(x + 7, y – 7)** | **I’ ( )** |
| **D (-1, -5)** | **(x – 4, y)** | **D’ ( )** |
| **K (0, 0)** | **(x, y + 10)** | **K’ ( )** |