Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_\_

**Proportional vs. Non Proportional**

**1.** $y=2x+4$

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***x*** | ***2x+4*** | ***y*** |  | ***(x, y)*** |
| -2 |  |  |  |  |
| -1 |  |  |  |  |
| 0 |  |  |  |  |
| 1 |  |  |  |  |

Is the equation proportional or non proportional?

**2.** $y=-3x$

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***x*** | ***-3x*** | ***y*** |  | ***(x, y)*** |
| -1 |  |  |  |  |
| 0 |  |  |  |  |
| 1 |  |  |  |  |
| 2 |  |  |  |  |

Is the equation proportional or non proportional?

For #3 – 5, create a table on the back of this page including the process column. Graph each equation. Label each proportional or non proportional.

**3.** $y=\frac{x}{2}$ **4.** $y=3x$ **5.** $y=1-x$