**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per.\_\_\_\_\_\_\_ Score:\_\_\_\_\_**

**U6 HWK #5** *Writing Equations for Lines, Mixed Review*

**Directions:** Write the equation in slope-intercept form for each line based on the information given.

1. The slope of the line is and the *y*-intercept is 4.
2. The line has a slope of and goes through the point (2, 4).
3. The line contains the points (1, 2) and (2, 4).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. The line contains the points in the table.  |  |  | | --- | --- | | *x* | *y* | | 0 | 0 | | 1 | 2 | | 2 | 4 | | 3 | 6 | | 1. The line contains the points in the table.  |  |  | | --- | --- | | *x* | *y* | | 1 | 5 | | 3 | 1 | | 4 | 4 | | 6 | 10 | |
| 1. The line graphed below. | 1. The line graphed below. |

**Review Graphing:**

**Directions:** Graph the lines for the following given information.

|  |  |
| --- | --- |
| 1. The equation of the line is . | 1. The equation of the line is. |
| 1. The equation of the line is . | 1. The equation of the line is . |