**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 $1$ and the *y*-intercept is $-$4.
2. The line has a slope of $-\frac{1}{4}$ 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 .
 |