Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_ Number: \_\_\_\_\_\_\_\_\_\_\_\_\_

Math 8 / 8H

**4.3b HW**

**For each problem, write an equation with the given slope and y-intercept.**

1. Slope $=\frac{5}{2}$ , y-intercept$ =0$
2. Slope $=-\frac{7}{2}$ , y-intercept$ =3$
3. Slope $=1$ , y-intercept$ =1$
4. Slope $=-1$ , y-intercept$ =-2$

**Find the slope and y-intercept for each table, and then write an equation.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***x*** | 0 | 1 | 2 | 3 | 4 |
| ***y*** | 0 | 2 | 4 | 6 | 8 |

Slope: \_\_\_\_\_\_\_\_\_\_\_\_

$y$-intercept: \_\_\_\_\_\_\_\_\_\_\_

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***x*** | 1 | 2 | 3 | 4 | 5 |
| ***y*** | 1 | 3 | 5 | 7 | 9 |

Slope: \_\_\_\_\_\_\_\_\_\_\_\_

$y$-intercept: \_\_\_\_\_\_\_\_\_\_\_

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***x*** | 0 | 1 | 2 | 3 | 4 |
| ***y*** | 5 | 3 | 1 | $$-1$$ | $$-3$$ |

Slope: \_\_\_\_\_\_\_\_\_\_\_\_

$y$-intercept: \_\_\_\_\_\_\_\_\_\_\_

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***x*** | $$-3$$ | $$-2$$ | $$-1$$ | 0 |
| ***y*** | 7 | 5 | 3 | 1 |

Slope: \_\_\_\_\_\_\_\_\_\_\_\_

$y$-intercept: \_\_\_\_\_\_\_\_\_\_\_

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Find the slope and y-intercept for each table, and then write an equation.**

|  |  |
| --- | --- |
| C:\Users\nikki.mendenhall\Downloads\save.png | Slope: \_\_\_\_\_\_\_\_\_\_\_\_$y$-intercept: \_\_\_\_\_\_\_\_\_\_\_Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

|  |  |
| --- | --- |
| C:\Users\nikki.mendenhall\Downloads\save (1).png | Slope: \_\_\_\_\_\_\_\_\_\_\_\_$y$-intercept: \_\_\_\_\_\_\_\_\_\_\_Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |