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

**Graph Linear Equations**

Fill in the information for each equation. Graph **two** equations on each grid. Write the equation on each line. Remember to write the *y*–intercept as an ordered pair (0, *b*).

1. $y = 3x – 2$ 2. $y= -\frac{1}{2}x$

|  |  |
| --- | --- |
| ***x*** | ***y*** |
| –10 |  |
| –6 |  |
| –2 |  |
| 4 |  |
| 10 |  |

|  |  |
| --- | --- |
| ***x*** | ***y*** |
| –2 |  |
| –1 |  |
| 0 |  |
| 1 |  |
| 2 |  |

slope (m) = \_\_\_\_\_\_\_\_\_ slope (m) = \_\_\_\_\_\_\_\_\_

*y*–intercept = \_\_\_\_\_\_\_\_\_\_ *y*–intercept = \_\_\_\_\_\_\_\_\_\_

3. $y = –3x + 1 $ 4. $y= \frac{2}{3}x+2$

|  |  |
| --- | --- |
| ***x*** | ***y*** |
| –6 |  |
| –3 |  |
| 0 |  |
| 3 |  |
| 6 |  |

|  |  |
| --- | --- |
| ***x*** | ***y*** |
| –3 |  |
| –1 |  |
| 0 |  |
| 2 |  |
| 3 |  |

slope (m) = \_\_\_\_\_\_\_\_\_ slope (m) = \_\_\_\_\_\_\_\_\_

*y*–intercept = \_\_\_\_\_\_\_\_\_\_ *y*–intercept = \_\_\_\_\_\_\_\_\_\_

5. $y = 2x – 4$ 6. $y= -\frac{2}{3}x+2$

|  |  |
| --- | --- |
| ***x*** | ***y*** |
| –9 |  |
| –6 |  |
| –3 |  |
| 3 |  |
| 9 |  |

|  |  |
| --- | --- |
| ***x*** | ***y*** |
| –3 |  |
| –1 |  |
| 2 |  |
| 5 |  |
| 7 |  |

slope (m) = \_\_\_\_\_\_\_\_\_ slope (m) = \_\_\_\_\_\_\_\_\_

*y*–intercept = \_\_\_\_\_\_\_\_\_\_ *y*–intercept = \_\_\_\_\_\_\_\_\_\_

7. $y = x$ 8. $y= \frac{2}{5}x+2$

|  |  |
| --- | --- |
| ***x*** | ***y*** |
| –10 |  |
| –5 |  |
| 0 |  |
| 5 |  |
| 10 |  |

|  |  |
| --- | --- |
| ***x*** | ***y*** |
| 5 |  |
| –7 |  |
| 2 |  |
| –6 |  |
| 0 |  |

slope (m) = \_\_\_\_\_\_\_\_\_ slope (m) = \_\_\_\_\_\_\_\_\_

*y*–intercept = \_\_\_\_\_\_\_\_\_\_ *y*–intercept = \_\_\_\_\_\_\_\_\_\_

9. $y = –0.5x – 1$ 10. $y= \frac{3}{4}x+3$

|  |  |
| --- | --- |
| ***x*** | ***y*** |
| –8 |  |
| –6 |  |
| –4 |  |
| 4 |  |
| 8 |  |

|  |  |
| --- | --- |
| ***x*** | ***y*** |
| –10 |  |
| –7 |  |
| –4 |  |
| 2 |  |
| 8 |  |

slope (m) = \_\_\_\_\_\_\_\_\_ slope (m) = \_\_\_\_\_\_\_\_\_

*y*–intercept = \_\_\_\_\_\_\_\_\_\_ *y*–intercept = \_\_\_\_\_\_\_\_\_\_

11. $y = 2x – 2$ 12. $y= -\frac{3}{2}x- \frac{1}{2}$

|  |  |
| --- | --- |
| ***x*** | ***y*** |
| –7 |  |
| –3 |  |
| –1 |  |
| 3 |  |
| 5 |  |

|  |  |
| --- | --- |
| ***x*** | ***y*** |
| –4 |  |
| –2 |  |
| 2 |  |
| 4 |  |
| 6 |  |

slope (m) = \_\_\_\_\_\_\_\_\_ slope (m) = \_\_\_\_\_\_\_\_\_

*y*–intercept = \_\_\_\_\_\_\_\_\_\_ *y*–intercept = \_\_\_\_\_\_\_\_\_\_