Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Table #: \_\_\_\_\_Period: \_\_\_\_\_ Date \_\_\_\_\_\_\_\_ **4.4B Homework**

For each equation:

1. Identify the slope and y-intercept
2. Graph

|  |  |
| --- | --- |
| 1. Equation: $y=\frac{1}{4}x-1$

slope (m) =\_\_\_\_\_\_\_\_\_\_\_\_\_y-intercept (b) =\_\_\_\_\_\_\_\_\_\_\_\_\_x-intercept (a) =\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. Equation: $y=-3x-3$

slope (m) =\_\_\_\_\_\_\_\_\_\_\_\_\_y-intercept (b) =\_\_\_\_\_\_\_\_\_\_\_\_\_x-intercept (a) =\_\_\_\_\_\_\_\_\_\_\_\_\_\_slope (m) =\_\_\_\_\_\_\_\_\_\_\_\_\_y-intercept (b) =\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. Equation: $y=-x+2$

slope (m) =\_\_\_\_\_\_\_\_\_\_\_\_\_y-intercept (b) =\_\_\_\_\_\_\_\_\_\_\_\_\_x-intercept (a) =\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. Equation: $y=\frac{4}{3}x-4$

slope (m) =\_\_\_\_\_\_\_\_\_\_\_\_\_y-intercept (b) =\_\_\_\_\_\_\_\_\_\_\_\_\_x-intercept (a) =\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. Equation: $y=4x+3$

slope (m) =\_\_\_\_\_\_\_\_\_\_\_\_\_y-intercept (b) =\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. Equation: $y=-\frac{1}{2}x+3$

slope (m) =\_\_\_\_\_\_\_\_\_\_\_\_\_y-intercept (b) =\_\_\_\_\_\_\_\_\_\_\_\_\_x-intercept (a) =\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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For each equation:

1. Solve for y
2. Identify the slope and y-intercept
3. Graph

|  |  |
| --- | --- |
| 1. Equation**:** $2x+y=2$

slope (m) =\_\_\_\_\_\_\_\_\_\_\_\_\_y-intercept (b) =\_\_\_\_\_\_\_\_\_\_\_\_\_x-intercept (a) =\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. Equation: $ 4x+5y=20$

slope (m) =\_\_\_\_\_\_\_\_\_\_\_\_\_y-intercept (b) =\_\_\_\_\_\_\_\_\_\_\_\_\_x-intercept (a) =\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. Equation: $2x-y=-4$

slope (m) =\_\_\_\_\_\_\_\_\_\_\_\_\_y-intercept (b) =\_\_\_\_\_\_\_\_\_\_\_\_\_x-intercept (a) =\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. Equation: $x-2y=8$

slope (m) =\_\_\_\_\_\_\_\_\_\_\_\_\_y-intercept (b) =\_\_\_\_\_\_\_\_\_\_\_\_\_x-intercept (a) =\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |