**Lesson 5-3 Homework Practice: *Write Linear Equations (20 Points)***

**Write an equation in slope-intercept form**

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**y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_ y =\_\_\_\_\_\_\_\_\_\_\_\_\_ y =\_\_\_\_\_\_\_\_\_\_\_\_ y =\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Question 5** | **Question 6** | **Question 7** | **Question 8** |
|  | CCSS_C3_Ch3_L6_HW2.jpg |  |  |
| **m = \_\_\_\_\_ b = \_\_\_\_\_****y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **m = \_\_\_\_\_ b = \_\_\_\_\_****y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **m = \_\_\_\_\_ b = \_\_\_\_\_****y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **m = \_\_\_\_\_ b = \_\_\_\_\_****y =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****\*\*Watch Scale\*\*** |
| **Question 9** | **Question 10** | **Question 11** | **Question 12** |
|  m =b = | m =b = |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***x*** | –1 | 0 | 1 | 2 | 3 |
| ***y*** | 4 | 2 | 0 | -2 | -4 |

m = b = | m = b = |
| **Equation of Line:** | **Equation of Line:** | **Equation of Line:** | **Equation of Line:** |

**State the slope and the *y*-intercept for the graph of each equation.**

 **13.** *y* = 4*x* + 1 **14.** *y* = –3*x* + 5 **15.** –*x* + *y* = 4

 **16.** *y* = $\frac{5}{6}x$– 3 **17.** 2*y* + 3*x* = –8 **18.** *y* = $\frac{1}{5}x$ + 2

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| **19. WEATHER** The equation *y* = 0.2*x* + 3.5 can be used to find the amount of accumulated snow *y* in inches *x* hours after 5 P.M. on a certain day. Identify the slope and *y*- intercept of the graph of the equation and explain what each represents. | **20. SALARY** Janette’s weekly salary can be represented by the equation *y* = 500 + 0.4*x*, where *x* is the dollar total of her sales for the week. Identify the slope and *y*-intercept of the graph of the equation and explain what each represents. |
| **21.)** Find the missing x, y values and write the equation of the line **Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **22.)** Find the missing x, y values and write the equation of the line **Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |





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**MUST SHOW ALL WORK! ANSWERS BELOW**

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