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

**Chapter 4 (Unit 7) Review**

Plot the following points:

1.) (1, 2) 2.) (-3, -4) 3.) (-2, 0)

4.) (4, 0) 5.) (-1, 5) 6.) (5, -3)

7.) 8.) 9.)

|  |  |
| --- | --- |
| Time | Distance |
| 1 | 2 |
| 2 | 4 |
| 4 | 3 |
| 6 | 7 |
| 7 | 5 |

|  |  |
| --- | --- |
| Time | Distance |
| 1:00 | 10 |
| 2:00 | 35 |
| 3:00 | 50 |
| 4:00 | 60 |
| 5:00 | 89 |

|  |  |
| --- | --- |
| Time | Temperature |
| 1:00 | -15 |
| 2:00 | -10 |
| 3:00 | 3 |
| 4:00 | 12 |
| 5:00 | 24 |

**Solve the following equations:**

10.) y = 2x – 5 11.) y = -3x + 6

|  |  |  |
| --- | --- | --- |
| x |  | y |
| -2 |  |  |
| -1 |  |  |
| 0 |  |  |
| 1 |  |  |
| 2 |  |  |

|  |  |  |
| --- | --- | --- |
| x |  | y |
| -2 |  |  |
| -1 |  |  |
| 0 |  |  |
| 1 |  |  |
| 2 |  |  |

|  |  |  |
| --- | --- | --- |
| x |  | y |
| -2 |  |  |
| -1 |  |  |
| 0 |  |  |
| 1 |  |  |
| 2 |  |  |

12.) y = -5x 13.) y = ½ x – 6

|  |  |  |
| --- | --- | --- |
| x |  | y |
| -2 |  |  |
| -1 |  |  |
| 0 |  |  |
| 1 |  |  |
| 2 |  |  |

Solve for x = 2, x = 0, and x = -4:

14.) f(x) = 3x – 1 15.) f(x) = -5x + 2

16.) f(x) = -2x + 6

Determine if the following are functions:

17.) (3, -1), (12, -1), (6, 0), (4, -2), (1, 9) 18.) (4, 1), (3, -2), (4, 3), (6, 1)

19.) (-1, 1), (3, -1), (4, -1) 20.) (3, 4), (9, -4), (4, 3), (-4, 5)

21.) 22.)

Complete the following problems to make it a function:

23.) (3, -1), (4, -2), (\_\_\_, 3), (2, \_\_\_) 24.