**Unit 3 Test Review Algebra 1 Kitt**

**NAME: DATE: PERIOD:**

***DIRECTIONS: Match the letter of the term that best matches each statement or phrase.***

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| \_\_\_\_\_\_1. The point where both the x-axis and y-axis cross. |  A. Domain |
| \_\_\_\_\_\_2. A set of ordered pairs. |  B. input |
| \_\_\_\_\_\_3. A point on a graph |  C. function |
| \_\_\_\_\_\_4. The horizontal axis |  D. Ordered pair |
| \_\_\_\_\_\_5. In the odered pair, A(2,7), 7 is known as \_\_\_\_\_\_ |  E. origin |
| \_\_\_\_\_\_6. The graph separated into four parts. |  F. Quadrants |
| \_\_\_\_\_\_7. An equation whose graph passes the vertal line test. |  G. Relation |
| \_\_\_\_\_\_8. In the relation {(4, -2), (0, 5), (6, 2), (-1, 8)}, the is the set {-1, 0, 4, 6}. |  H. x-axis |
| \_\_\_\_\_\_9. The domain contains values reperested by the ­\_\_\_\_\_\_\_.  |  I. range |



***DIRECTIONS: Graph each point.***

10. A(4, 2) 11. B(-1, 3)

12. C (0, -5) 13. D(-3, -2)***DIRECTIONS: State the domain and range of each relation.***

18. {(4, 1), (4, 6), (4, -1) 19. {(-3, 5), (-3, 6), (4, 5), (4, 6)}

 domain: domain:

 range: range:

***DIRECTIONS: Draw a mapping and make a table for each relation.***

22. {(4, 4), (-3, 5), (4, -1), (0, 3) 23. {(0, 2), (3, -1), (2, 2), (-2, -1)}

 table: mapping: table: mapping:

***DIRECTIONS: Solve each equation if the domain is {-4, -2, 0, 2, 4}. Graph the function.***

24.

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| X | $$y=2x+3$$ | Y |
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|  |  |  |
|  |  |  |
|  |  |  |
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25.

|  |  |  |
| --- | --- | --- |
| X | $$y=\frac{1}{2}x+3$$ | Y |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

***DIRECTIONS: State whether each relation is a function.***

-1

3

6

0

2

26.  27.

28. {(3, 8), (9, 3), (-3, 8), (5, 3)}

***DIRECTIONS: If*** ***,***  and $f\left(x\right)=-3x+5 $***find each of following.***

29. f(2) 30. *g*(-1)

31. *g*( 1) 32. $f(-4)$

33. *g*(-2) 34. $f(- 3)$