Unit1 – Linear Essentials

Retake Review

|  |  |  |
| --- | --- | --- |
| **Standard** | **Test Score** | **Retaking** |
| I can evaluate a function in function notation |  |  |
| I can determine whether an ordered pair is a solution to the function or not |  |  |
| I can determine if a relation is a function |  |  |
| I can identify the domain and range of a relation |  |  |
| I can identify the increasing, decreasing, and constant intervals of a function |  |  |
| I can use a function to create a table and graph |  |  |

I attended an after-school math tutoring session in A5 with:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Tutor’s Signature:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I will complete this review and be at the retake **no later than 2:25** on:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Unit 1 Function Essential Test Review

Standard- I can evaluate a function in function notation

|  |
| --- |
| Evaluate f(x)=2x+6 for f(-2)Solution: |
| Evaluate f(x)=-4x-4 for f(3) Solution: |
| Evaluate f(x)=3x-8 for f(4) Solution: |
| Write the function in function notation y=6x+2Solution: |
| Write the function in function notation y=-2x-9Solution: |
| Evaluate the function rule f(x)=3x-1 to find the range of the function for the domain {-3,4,7}Solution: |

Standard- I can determine if an ordered pair is a solution to a function

|  |  |  |  |
| --- | --- | --- | --- |
| x | f(x) | f(x)=4x-8 | Yes or No |
| 4 | 11 |  |  |
| 7 | 20 |  |  |
| 2 | 0 |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| x | f(x) | f(x)=$\frac{1}{2}$x+9 | Yes or No |
| 0 | 9 |  |  |
| -4 | 5 |  |  |
| 12 | 14 |  |  |

Standard- I can determine if a relation is a function

Standard- I can identify the domain and range of a relation

|  |  |
| --- | --- |
| {(-2,4), (-3,5), (-2,3), (-5,2)} | Does this represent a function? Circle one Yes or NoReasoning: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Does this represent a function? Circle one Yes or NoReasoning: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Does this represent a function? Circle one Yes or NoReasoning: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Does this represent a function? Circle one Yes or NoReasoning: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Standard- I can identify the increasing, decreasing, and constant intervals of a graph

|  |  |
| --- | --- |
|  | Increasing:Decreasing:Constant: |
|  | Increasing:Decreasing:Constant: |



Standard- I can use a function to create a table and graph

Create a table of values using the function below, then graph.

 **f(x)=x+4**

|  |  |
| --- | --- |
| **X** | **f(x)****(Show all work)** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |