Algebra II – Family Undone Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

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| --- | --- | --- | --- |
| Function | AMake a table of values for the function | BPlot the points for the table | CMake an table of values for *f* -1(*x*) and plot the new point in a different color |
|  |  | http://4.bp.blogspot.com/_9VNaIzjiOr0/TO9qRj7FW5I/AAAAAAAAAaA/0qR1Csvc7FI/s1600/X-Y-Axis-Graph.jpg |  |
|  |  | http://4.bp.blogspot.com/_9VNaIzjiOr0/TO9qRj7FW5I/AAAAAAAAAaA/0qR1Csvc7FI/s1600/X-Y-Axis-Graph.jpg |  |
|  |  | http://4.bp.blogspot.com/_9VNaIzjiOr0/TO9qRj7FW5I/AAAAAAAAAaA/0qR1Csvc7FI/s1600/X-Y-Axis-Graph.jpg |  |
|  |  | http://4.bp.blogspot.com/_9VNaIzjiOr0/TO9qRj7FW5I/AAAAAAAAAaA/0qR1Csvc7FI/s1600/X-Y-Axis-Graph.jpg |  |

Closure:

1. Draw the line *y* = *x* on each graph.

2. Are the graphs of the functions and its inverse related? Explain.

3. Are all the inverse functions? List any that are not.

4. Could you restrict the domain to make the inverse a function?