

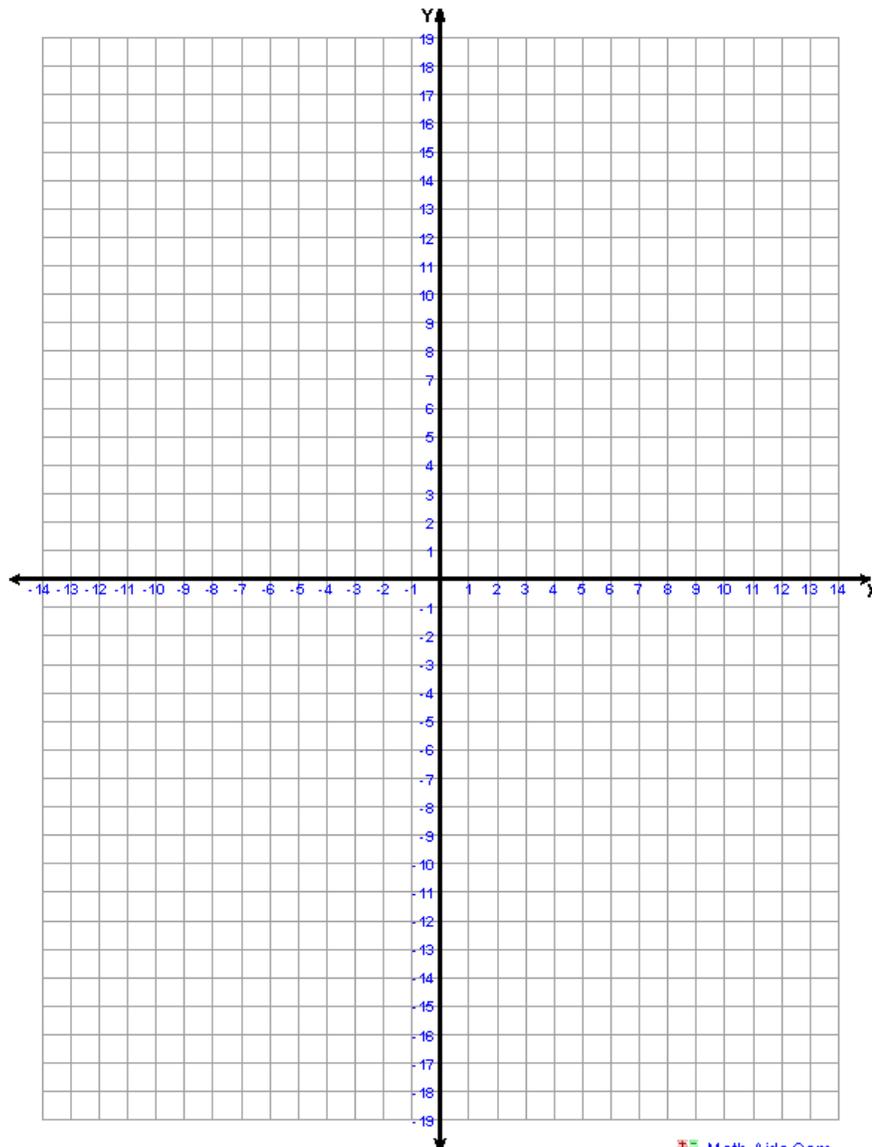
R.A.F.T. (Role, Audience, Form of, Topic)

Due Date: February 8 (B) and 11 (A)

- You are the function _____, and it is Valentine's Day.
- You have found your one and only true inverse.
- Create a Valentine's Day card for your inverse. Your card **MUST** be colorful and include: BOTH of your equations; the domain and range of both functions; the line of symmetry, a description in poetic form as to why you belong together 4 ever and ever; and a graph illustrating this intertwined timeless mathematical relationship.

On February 12 (B) & 13 (A), we will have a Speed Dating Valentine's Mingle {Inner/Outer circle}

- You must prepare three **UNIQUE** questions to ask the other "functions" that will lead you to your inverse! (You cannot ask them what function they are!!!!)
- Please feel free to have fun with this assignment/activity. (Optional) You can bring a "goodie" or small token of some kind to given to your inverse when you find them.
- You may cut out and use the graph below, or create your own graph using Desmos.



Grading Rubric:

Name: _____

Elements	5	3	1
Graph	The graphs are correct and labeled	The graphs are somewhat correct	There is a graph
Sonnet	The poem is well written and include all appropriate mathematical connections	The poem is in sonnet form with some appropriate mathematical connections	The poem is in sonnet form with one appropriate mathematical connections
Equations	Both equations are correct and labeled on your graph	Both equations are somewhat correct and labeled	The equations are attempted
Questions	The three questions are unique and specific to their equations	The three questions are general and not specific to their equations	There are three questions written, but they are not applicable
Overall Creativity	The card is visually appealing and unique	The card is NOT visually appealing or unique	Something was turned in, but it is missing several major components.