

Name \_\_\_\_\_

Block \_\_\_\_\_

Algebra 2  
Unit 4 Project

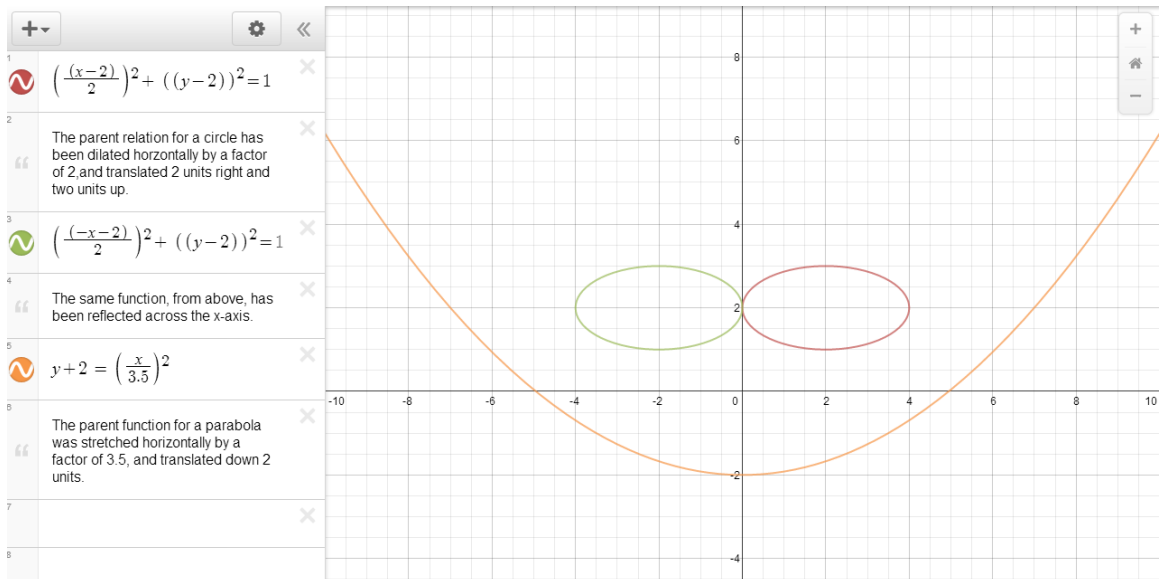
Describe transformations of functions graphically and algebraically. (Application)	
---------------------------------------------------------------------------------------	--

Make a fantastic face, character, or other original image in Desmos.

Show off your knowledge of the basic parent functions and their transformation.

- Use at least one of each of the following functions/relations: linear, quadratic (parabola), absolute value, circle or half-circle.
- Use all of the following transformations: translation, reflection, dilation.
- Insert a text box below each equation indicating what the original function was and how it has been transformed. Make sure to be clear about the order of transformations!

Below is an example of the beginning of a project. It shows how the equations and text will look.



When it's finished, email a link from Desmos to [pgitchos@methow.org](mailto:pgitchos@methow.org).

Due date (partial credit available after): Friday, 11/27.