

Graph your work

First, color your background with yellow grid dots:



zoom

Toggle to the



Next, turn on the Inequalities Application: Select: 5: Inequalz



Enter equations into the y= screen



To change colors and inequality symbols: Arrow left until the desired Yx = line is outlined with a box. Press enter. Hint: pay attention to the inequality symbols.

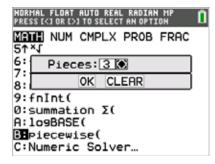
Use the dialogue box to select settings.



To enter multiple functions in a Yx = row, use the piecewise template: math Select: B: piecewise(

Use dialogue box to select quantity of pieces per Yx = line.

Hint: when you see f(x) use the piecewise template.





graph your work when all math is entered. Double check your equations.

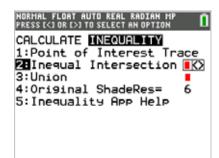
Fill in your shape for the final reveal:







2: Inequal Intersection, select red



Watermelon - teacher notes

Hidden image reveal: Sunglasses! Share this image with your students when you see fit.

Reminders: Take note of the inequality symbols on Yx lines to get the proper shaded in areas to produce the designs.

When entering multiple functions per Yx line, use the piecewise template.

The last step to fill in the shape is crucial to get the desired reveal.

Experiement! Using color, line and background settings, how could students make the image their own? How could they alter the math to make their own designs?

