

## Graph your work

For an uncluttered graph screen:
2nd $\quad$ zoom

Toggle to and select CoordOff
Toggle to and select GridOff.
Toggle to Axes and select Off.
MORMAL FLOAT RUTO REaL RADIAN MP
RectGC PolarGC
CoordOn CoordOff
GridOff GridDot GridLine
GridColor: BLACK
Axes: Off
Labeloff LabelOn
Expr0n Exproff
BorderColor: $\quad 1$
Background: Off
Detect Asymptotes: On off

Next, turn on the Inequalities Application: ap
Select: 5: Inequalz
Enter equations into the $\quad \mathbf{y =}$ screen

To change colors and inequality symbols: Arrow left until the desired $Y x=$ 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 $Y x=$ row, use the piecewise template: math Select: B: piecewise(

Use dialogue box to select quantity of pieces per $Y x=$ line.

table f5
graph your work when all math is entered. Double check your equations.

## Trees - teacher notes

Hidden image reveal: Fall trees on hill tops! Share this image with your students when you see fit.
Reminders: Take note of the inequality symbols on $Y x$ lines to get the proper shaded in areas to produce the designs. When entering multiple functions per $Y x$ line, use the piecewise template.

Experiment! 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?


