

Two Point

Program Description:

Create a program which graphs two points and then graphs the line formed by those two points. Program finds aspects of the line through calculation.

Rubric:

“B”

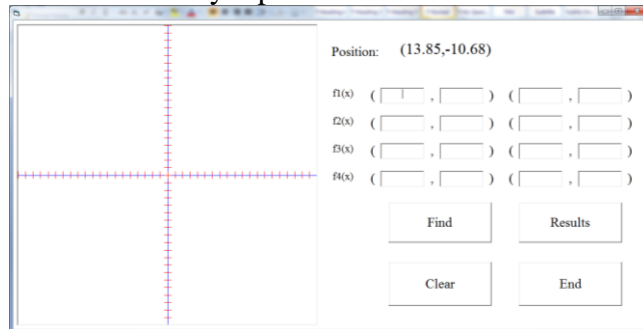
- Y Intercept - Midpoint - Equation - 2 points - Distance - Slope

“A”

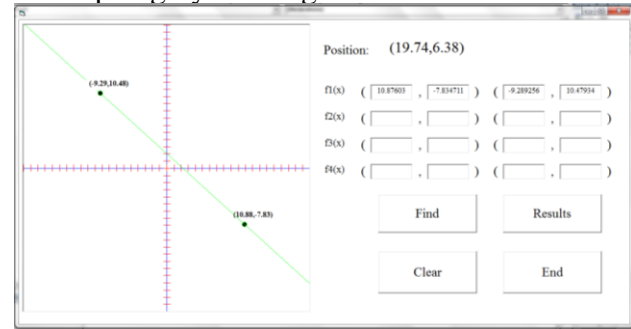
- user friendliness -able to click points on graph -continuous lines -triangle form - more than 2 points

Sample output:

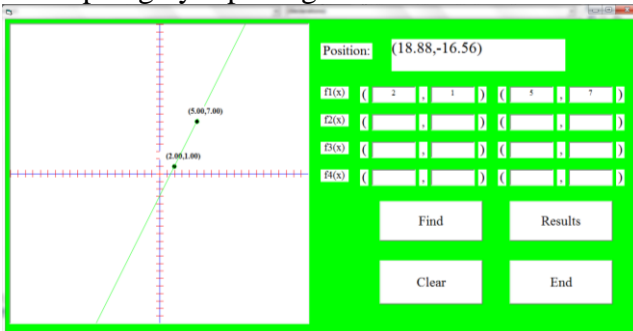
1. Gui before any input/Gui after clear button:



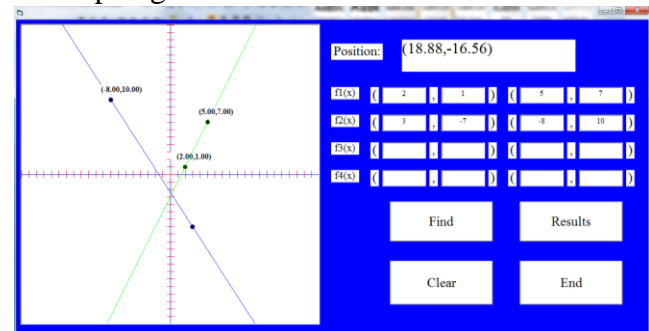
2. Graphing by clicking



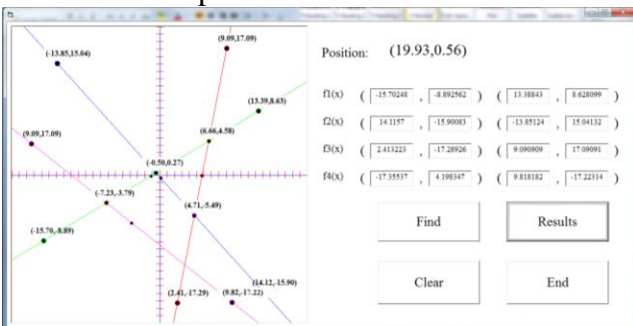
3. Graphing by inputting coordinates*



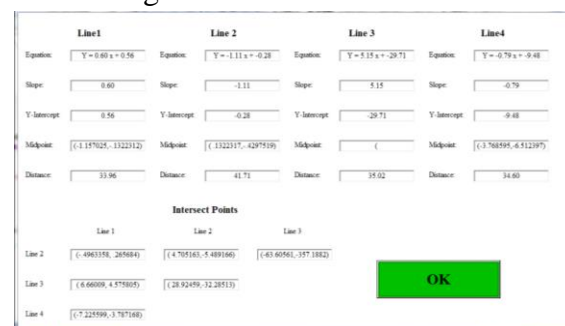
4. Graphing Two Lines



5. More than 2 points **



6. Showing the Results ***



* Program changes color based on line color

**Figure 5 done through graphing by clicking, Find button finds the intersects and shows the points

***Results are shown in different form/not required

