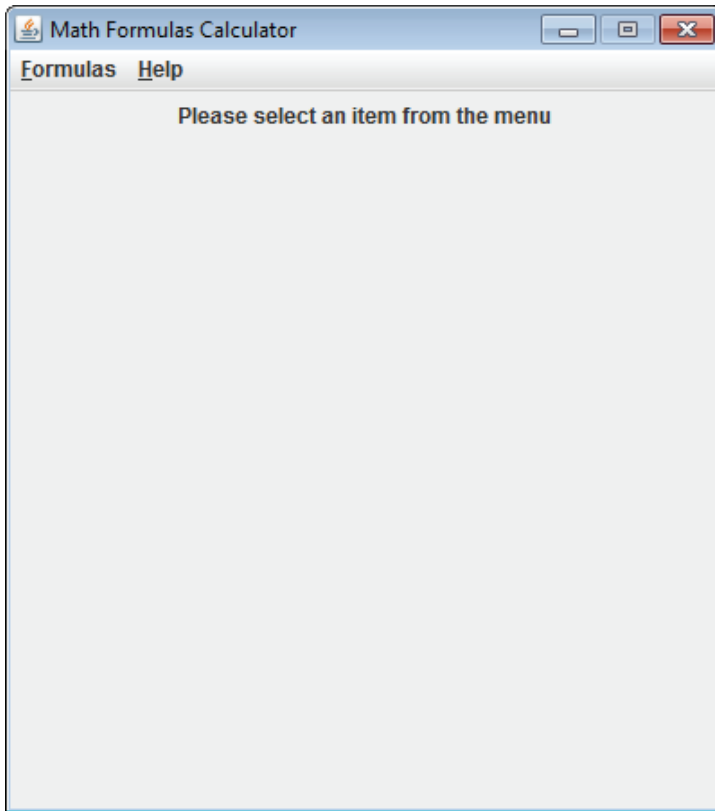
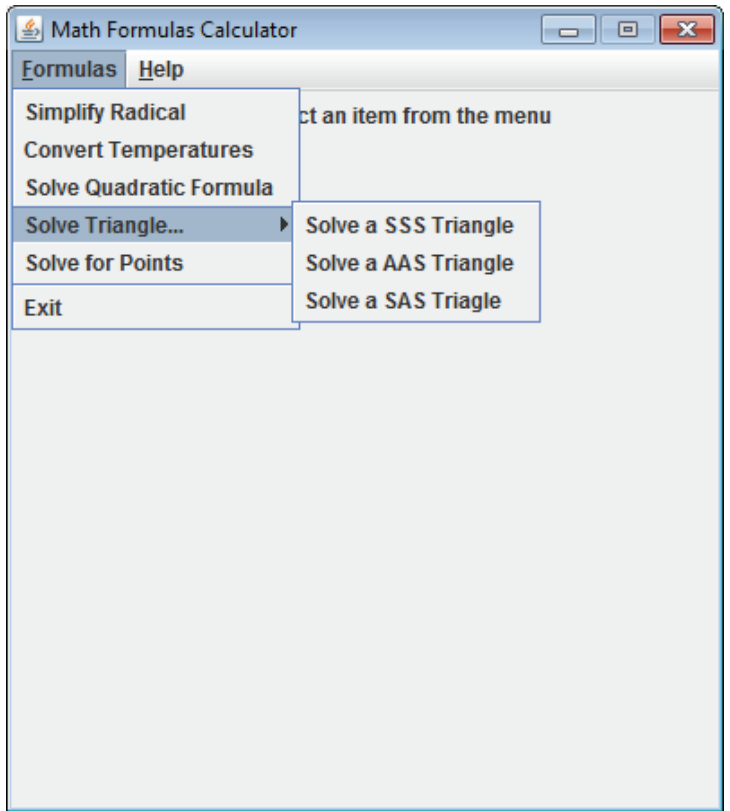


Print Screens for the final project for CS112

Initial Screen



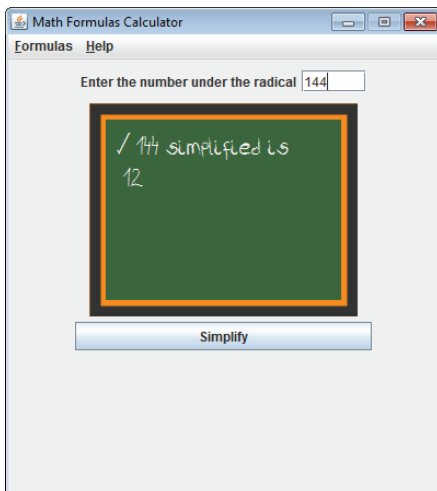
Example of drop down menu system



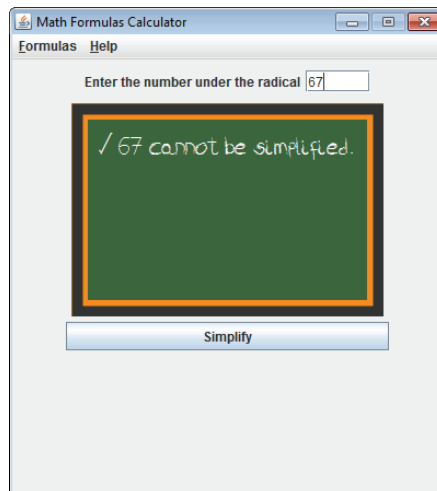
Simplify Radical: In this formula you need to type the number that is under the radical and either press ENTER or click on the button. Then the results of will be displayed on the chalkboard.

Examples of the Simplify Radical selection:

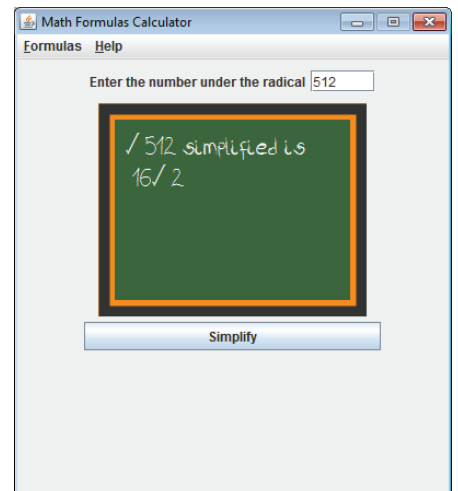
This screen shows a perfect square under the radical.



This screen shows that a prime number is under the radical.



This shows simplifeid a number under the radical can be.



Convert Temp: In this selection it will convert a temperature from the selected type and display the result on the chalkboard.

Converting from Fahrenheit

Math Formulas Calculator

Formulas Help

Enter the temperature: 95

Convert From ☒ Fahrenheit ☐ Celsius ☐ Kelvin

95.00°F converts to 35.00°C and 308.15°K

Convert

Converting from Celsius

Math Formulas Calculator

Formulas Help

Enter the temperature: 45

Convert From ☐ Fahrenheit ☒ Celsius ☐ Kelvin

45.00°C converts to 113.00°F and 318.15°K

Convert

Converting from Kelvin

Math Formulas Calculator

Formulas Help

Enter the temperature: 750

Convert From ☐ Fahrenheit ☐ Celsius ☒ Kelvin

750.00°K converts to 476.85°C and 890.33°F

Convert

Solve for a quadratic equation. It will display the results in integer form. If not it will show the result in quadratic equation form

Math Formulas Calculator

Formulas Help

Enter the values of A, B, and C

A: 1 B: 4 C: 4

Solution 1: -2.00
Solution 2: -2.00

Solve

Math Formulas Calculator

Formulas Help

Enter the values of A, B, and C

A: 3.75 B: -4 C: -2.5

Solution:
 $-1.51 \pm \sqrt{53.50}$

7.50

Solve

Examples fo solving triangles:

Set the measurement of the triangle after you hit ENTER or click on 'Solve'

Math Formulas Calculator

Formulas Help

Enter the sides

Side 1: Side 2: Side 3:

Input

Enter the measurement

OK Cancel

Solve

All three sides bring up a right triangle

Math Formulas Calculator

Formulas Help

Enter the sides

Side 1: Side 2: Side 3:

a: 3.00 feet A: 36.87°
b: 4.00 feet B: 53.13°
c: 5.00 feet C: 90.00°

Solve

Results for an equallateral triangle.

Math Formulas Calculator

Formulas Help

Enter the sides

Side 1: Side 2: Side 3:

a: 5.00 cm A: 60.00°
b: 5.00 cm B: 60.00°
c: 5.00 cm C: 60.00°

Solve

AASTriangle Example

Math Formulas Calculator

Formulas Help

Enter the two angles, and one side

Side 1: Angle 1: Angle 2:

a: 5.00 ft A: 90.00°
b: 4.35 ft B: 56.13°
c: 4.09 ft C: 33.87°

Solve

SASTriangle Example:

Math Formulas Calculator

Formulas Help

Enter the two angles, and one side

Side 1: Angle 2: Side 3:

a: 3.00 ft A: 36.87°
b: 5.00 ft B: 90.00°
c: 4.00 ft C: 53.13°


Solve

Differend results using the Points selection

Math Formulas Calculator

Formulas Help

Enter the coordinates to solve



Convert

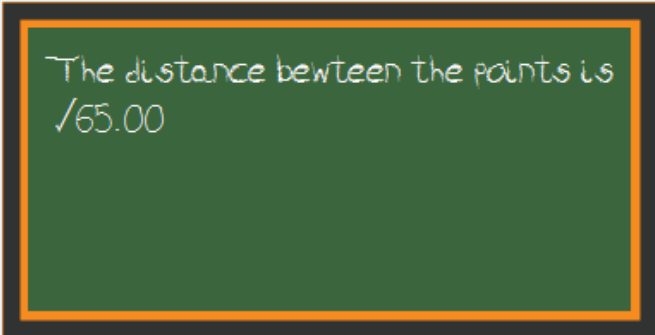
Select the point formula

☐ Distance ☐ Midpoint ☐ Slope

Math Formulas Calculator

Formulas Help

Enter the coordinates to solve


The distance bewteen the points is
 $\sqrt{65.00}$

Convert

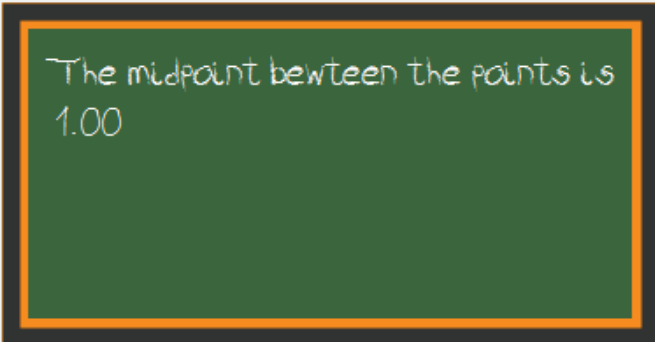
Select the point formula

☒ Distance ☐ Midpoint ☐ Slope

Math Formulas Calculator

Formulas Help

Enter the coordinates to solve


The midpoint bewteen the points is
1.00

Convert

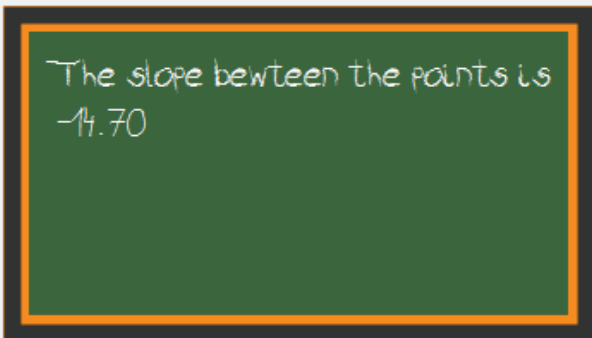
Select the point formula

☐ Distance ☒ Midpoint ☐ Slope

Math Formulas Calculator

Formulas Help

Enter the coordinates to solve


The slope bewteen the points is
-14.70

Convert

Select the point formula

☐ Distance ☐ Midpoint ☒ Slope