cp /Courses/cs | | /examples/GUI Example.java

```
//import the Graphical Interface compnents
import javax.swing.*;
//import the drawing and event components
import java.awt.*;
//GUIExampe is a kind of panel
public class GUIExample extends JPanel{
    //paintComponent: this method gets called automatically
    // anytime the screen needs to be redrawn.
    \ensuremath{//} The Graphics object is what has all the drawing methods
    public void paintComponent(Graphics g) {
        //{\tt There} are certain things every panel must do to draw
        //itself, this takes care of them.
        super.paintComponent(g);
        //We may need to use the width and height to draw.
        //These might change (when the window is resized), so
        //check them every time.
        int width = getWidth();
        int height = getHeight();
```

```
public static void main(String[] args) {
    //Create an instance of out Panel
    GUIExample panel = new GUIExample();

    //Create a window to hold our application.
    JFrame app = new JFrame();

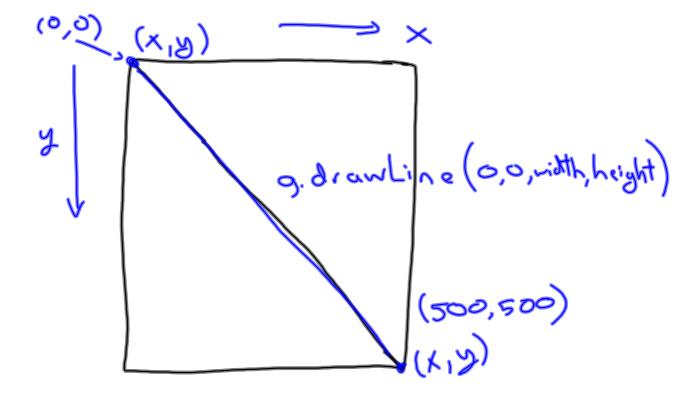
    //Set up how the app should handle clicking the "x"
    app.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

    //add our panel to the app
    app.add(panel);

    //set the size of the app
    app.setSize(500, 500);

    //display the app's window
    app.setVisible(true);
```

}



g.drawString("Hello", width/2, height/2); g. set (olor (Color. BLUE);

