

```

public class Diagramm extends JPanel
{

    private int scaleX=20,scaleY=18;

    /*private class window {
        JPanel panel = new JPanel();
        panel.removeAll();
    }*/

    public void paintComponent (Graphics g)
    {

        Graphics2D g2 = (Graphics2D) g;

        g2.setRenderingHint(RenderingHints.KEY_ANTIALIASING,RenderingHints.VALUE_ANTIALIAS_ON);
        g2.setPaint(Color.white);
        g2.fillRect(0,0,this.getWidth()-1,this.getHeight()-1);

        g2.setPaint(Color.black);

        //x-Achse
        g2.drawLine(0, this.getHeight()-1, this.getWidth(), this.getHeight()-1);
1);

        for(int x=scaleX; x<this.getWidth(); x+=scaleX)
        {
            g2.drawString("" + x/scaleX, x+1, getHeight()-3);
            g2.drawLine(x, this.getHeight()-1, x, this.getHeight()-4);
        }

        //y-Achse
        g2.drawLine(0, 0, 0, this.getHeight());
        int i = 0;
        for(int y=this.getHeight()-1; y>0;y-=scaleY)
        {
            //g2.drawLine(0, y, 3, y);
            if (i%3==0)
            {
                g2.drawString("" + (this.getHeight()-1-y)/scaleY, 3, y-3);
3);

                g2.drawLine(0, y, 8, y);
            }
            else
            g2.drawLine(0, y, 3, y);
            i++;
        }
        g2.setPaint(Color.blue);
        g2.drawLine(50, this.getHeight()-50, 300 , 150);
    }

}

```