

$$g = 8.08 \frac{m}{s^2}$$

$$\frac{g}{g} = \frac{0.387 - 1.782}{0.583 - 0.700} = -4.92 = -4.92g$$

$$\frac{y_1 - y_2}{x_1 - x_2} = \frac{g}{g}$$