$$\omega = \sqrt{\frac{g}{L}}$$

$$\omega^2 = \frac{g}{L}$$

$$\omega^2 = g\ (\frac{1}{L})$$

$$\text{y} = \text{slope}\ \ (\text{x})$$

$$\text{thingWeKnow} = \text{thingWeWant}\ \ (\text{thingWeKnow})$$