$T = 2 \times \pi \sqrt{\frac{L}{g}}$

$\implies T^2 = 4\pi^2 \times \frac{L}{g}$

$\implies T^2 = \frac{4 \times \pi^2}{g} \times L$

Graph is T^2 versus L

so slope must be $m = \frac{4 \times \pi^2}{g}$

$\implies g = \frac{4 \times \pi^2}{slope}$