

NAME:

1) Are all periodic motions simple harmonic? Explain and give an example of a periodic motion that is not simple harmonic.

2) How are the acceleration and displacement related in simple harmonic motion?

3) If you were to plot y versus m using the equation $y = (g/k) m + y_0$, how would you calculate the value for k ?

4) What is a simple pendulum? If you were to suspend a baseball bat from one end and let it swing back and forth, does it make a simple pendulum?

5) Under what conditions does an oscillating mass tied to a string constitute a simple pendulum?