

amplitude: the distance from the midline to either the maximum or minimum value of a periodic function (Amplitude is always expressed as a positive number.)

cycle: a single complete execution of a periodically repeated event

Example: A year constitutes a cycle of the seasons.

degree: the measure of a plane angle representing $\frac{1}{360}$ of a full rotation

midline (sinusoidal axis): the horizontal line halfway between the maximum and minimum values of a periodic function

period: the length of the shortest interval of the domain to complete one cycle

periodic function: a function whose graph repeats in regular intervals or cycles

radian: the measure of the central angle of a circle subtended by an arc that is the same length as the radius of the circle

sinusoidal function: any periodic function whose graph has the same shape as that of $y = \sin x$