

Vocabulary/Definitions

- Radian
- Conversion between degrees and radians
- Arclength on a circle as a function of the angle
- (x, y) on a unit circle and $\cos(t)$, $\sin(t)$
- Amplitude
- Period
- How $\cos t$ transforms to $\sin t$ and vice-versa
- How arbitrary sinusoidal functions are related to $\cos t$ and $\sin t$
- $\tan(t)$
- $\arccos(y)$, $\arcsin(y)$, $\arctan(y)$

Understand

1. Find a formula for a sinusoidal function that has successive maximum values at $(1, 2)$ and $(3, 2)$ and a minimum at $(2, -2)$.