

SIN

COS

TAN

Vocab

- Periodic function - graph has repeating pattern
- Amplitude - half the difference between max & min
- Period - horizontal length of a cycle - repeating pattern
- Frequency - reciprocal of period
of cycles per unit of time.

Sin & Cos Characteristics

1. Domain: \mathbb{R}
2. Range: $-a \leq y \leq a$
3. Amplitude: $\frac{1}{2}$ between max & min
4. Each function is periodic

$$y = 2 \sin x$$

