

$$y = a \sin(k(x - d)) + c$$

- amplitude  $a = \frac{\text{max} - \text{min}}{2}$

- $k = \frac{2\pi}{\text{period}}$

- period  $= \frac{2\pi}{k}$

- $d = \text{phase shift}$

- axis  $= c = \frac{\text{max} + \text{min}}{2}$