$$y = 3 \sin x \qquad y = \sin (2x) \quad penod = \pi \quad \frac{2\pi}{4}$$

$$amplitude=-3 \qquad y = \sin \left(\frac{1}{4}x\right) \quad penod = 4\pi \quad \frac{2\pi}{4}$$

$$y = \sin x \quad period = 2\pi$$

$$y = \sin (4x) \quad per = \frac{2\pi}{4} = \frac{\pi}{2}$$

$$y = a \sin (bx)$$

$$amplitude= |a|$$

$$period = \frac{3\pi}{b}$$







