

$$\frac{\pi}{4} \quad \frac{5\pi}{4}$$

$$\text{period} = \pi$$

$$b = \frac{2\pi}{p}$$

$$\text{tan/cot} \quad p = \frac{\pi}{b}$$

$$b = \frac{2\pi}{\pi}$$

$$\text{period: } \pi$$

$$\frac{2\pi}{\pi} = 2 = b$$

$$b = 2$$

$$y = a \cos(bx - c) + d$$

$$\begin{array}{c} \uparrow \\ 5 \\ \uparrow \\ 2 \\ \uparrow \\ \frac{\pi}{4} \\ \frac{\pi}{4} \end{array}$$

$$\text{amp.} \rightarrow 5 \cos\left(2x - \frac{\pi}{4}\right)$$

$$a$$