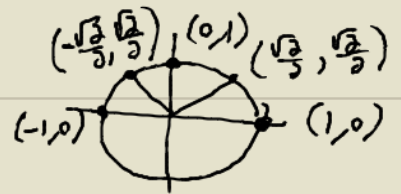


$$2. \quad y = 3 \cot\left(\frac{\pi}{2}x\right)$$

$$\text{PERIOD} = \frac{\pi}{b} = \frac{\pi}{\frac{\pi}{2}} = \pi \cdot \frac{2}{\pi} = 2$$

$$\cot = \frac{x}{y}$$



	X	Y
\mathbb{Z}	0	$3 \cot\left(\frac{\pi}{2} \cdot 0\right) = 3 \cot(0) = \text{UNDEFINED}$
$\frac{1}{4}P$	$\frac{1}{2}$	$3 \cot\left(\frac{\pi}{2} \cdot \frac{1}{2}\right) = 3 \cot\left(\frac{\pi}{4}\right) = 3(1) = 3$
$\frac{1}{2}P$	1	$3 \cot\left(\frac{\pi}{2} \cdot 1\right) = 3 \cot\left(\frac{\pi}{2}\right) = 3(0) = 0$
$\frac{3}{4}P$	$\frac{3}{2}$	$3 \cot\left(\frac{\pi}{2} \cdot \frac{3}{2}\right) = 3 \cot\left(\frac{3\pi}{4}\right) = 3(-1) = -3$
P	2	$3 \cot\left(\frac{\pi}{2} \cdot 2\right) = 3 \cot(\pi) = \text{UNDEFINED}$

