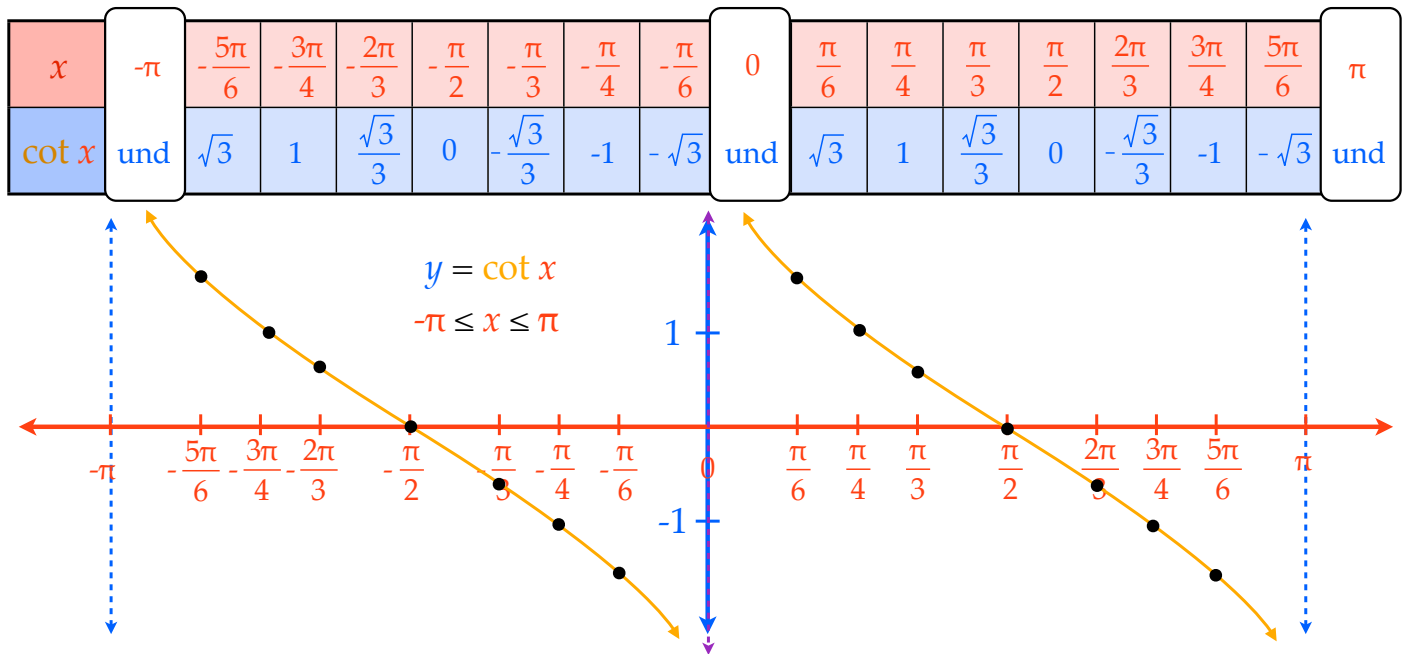


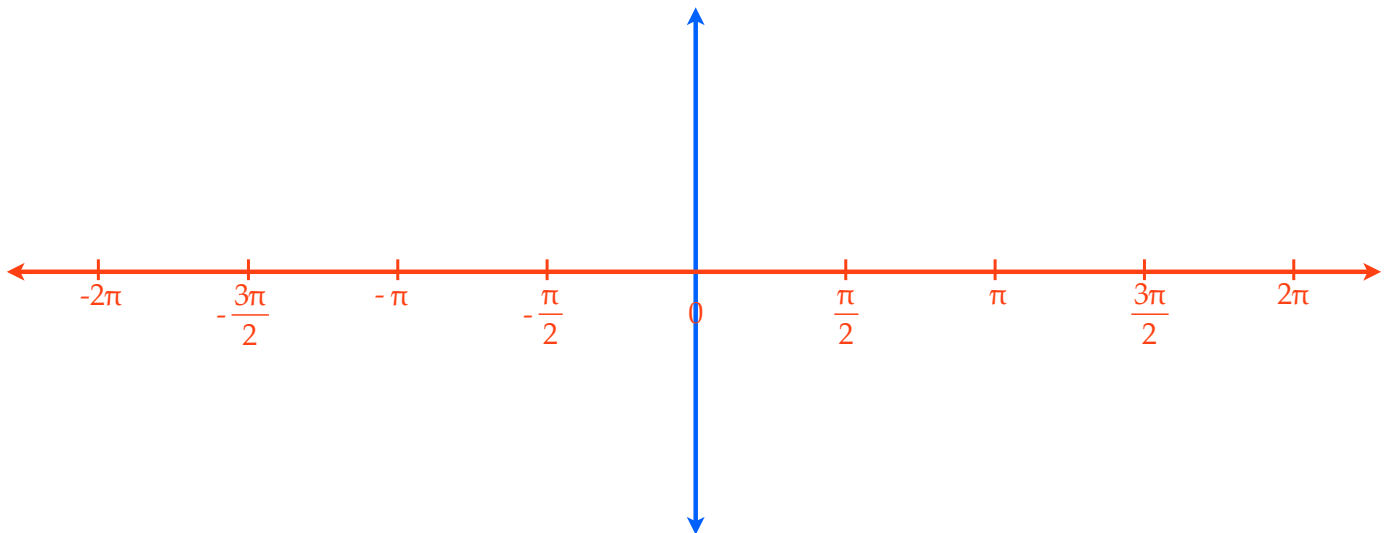
Graphing Cotangent Functions



when $\cos x = 0$,
 $\cot x = 0$

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

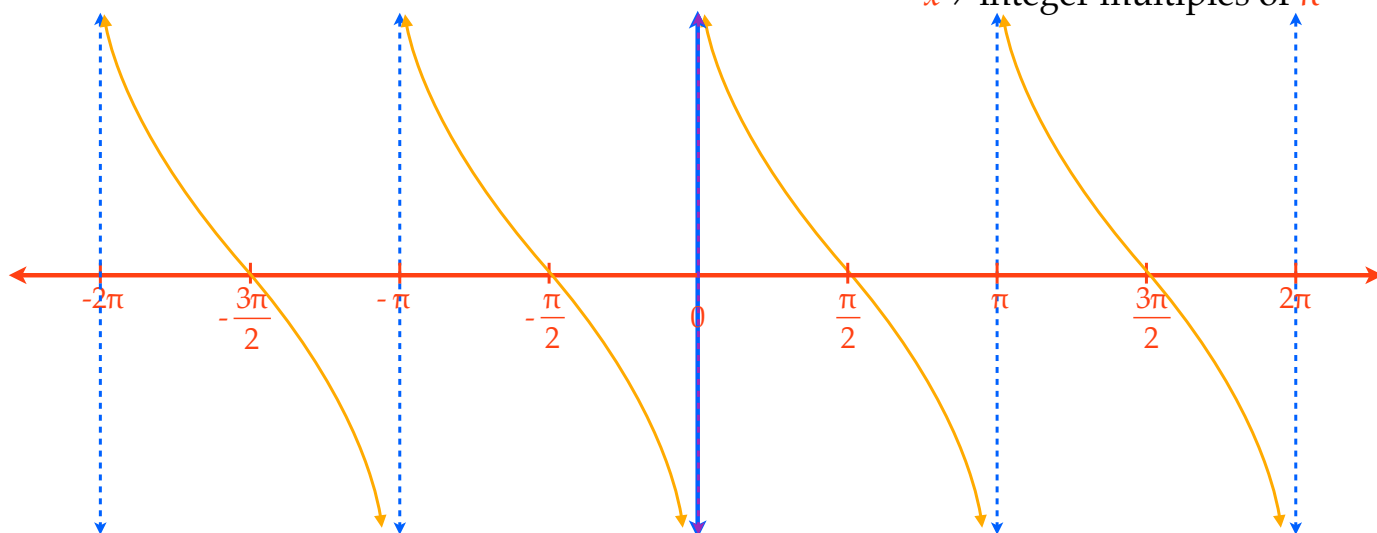
when $\sin x = 0$,
 $\cot x$ is undefined



Range: $-\infty < y < \infty$

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

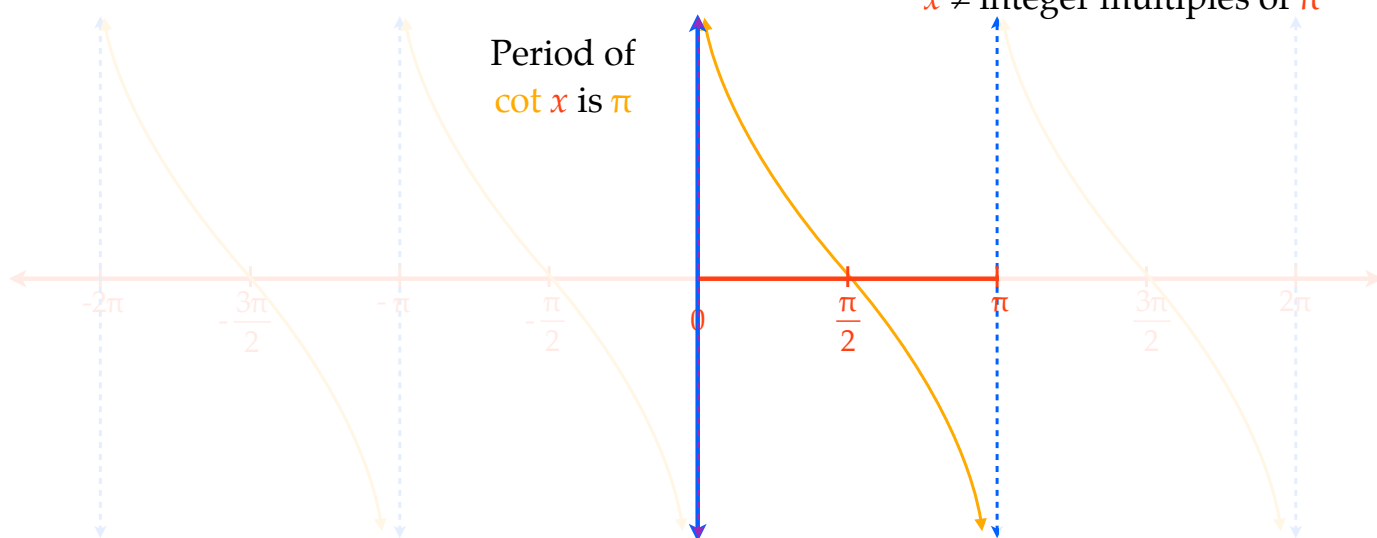
Domain: $-\infty < x < \infty$
 $x \neq \text{integer multiples of } \pi$



Range: $-\infty < y < \infty$

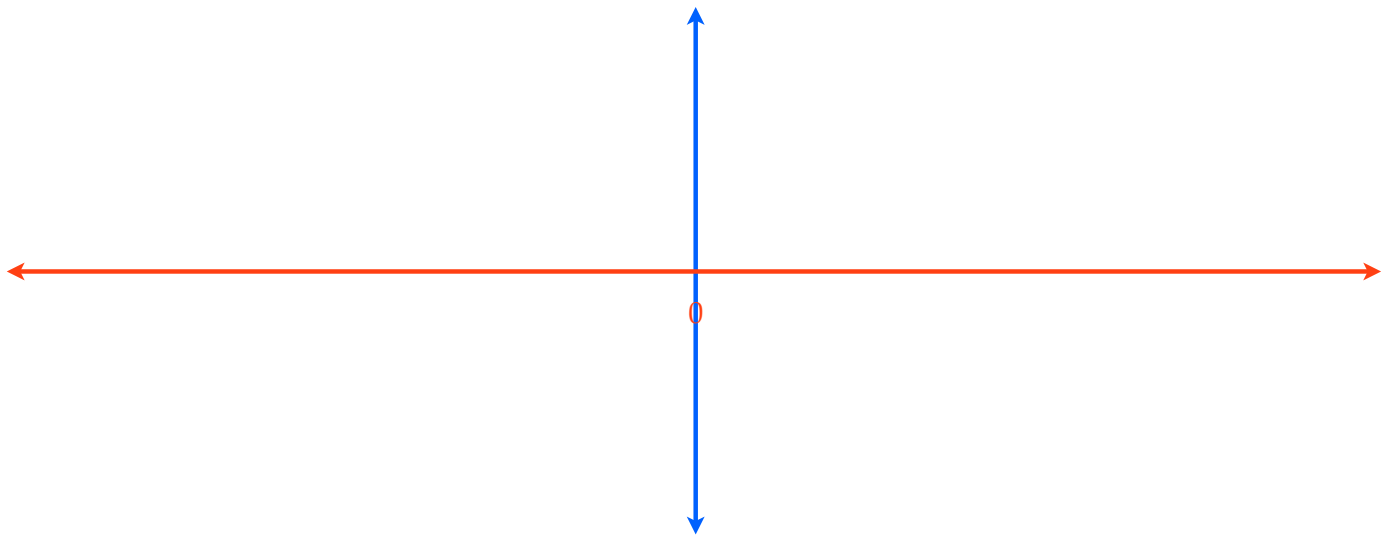
$$y = \cot x = \frac{\cos x}{\sin x}$$

Domain: $-\infty < x < \infty$
 $x \neq \text{integer multiples of } \pi$

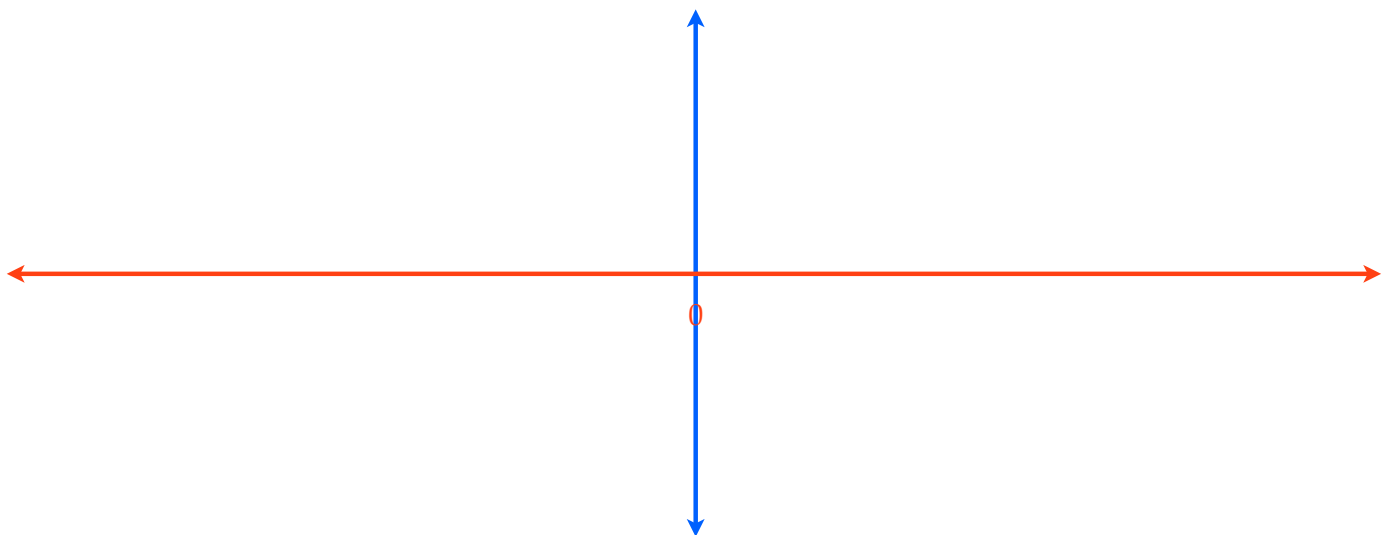


$$y = -\cot x \quad a = -1$$

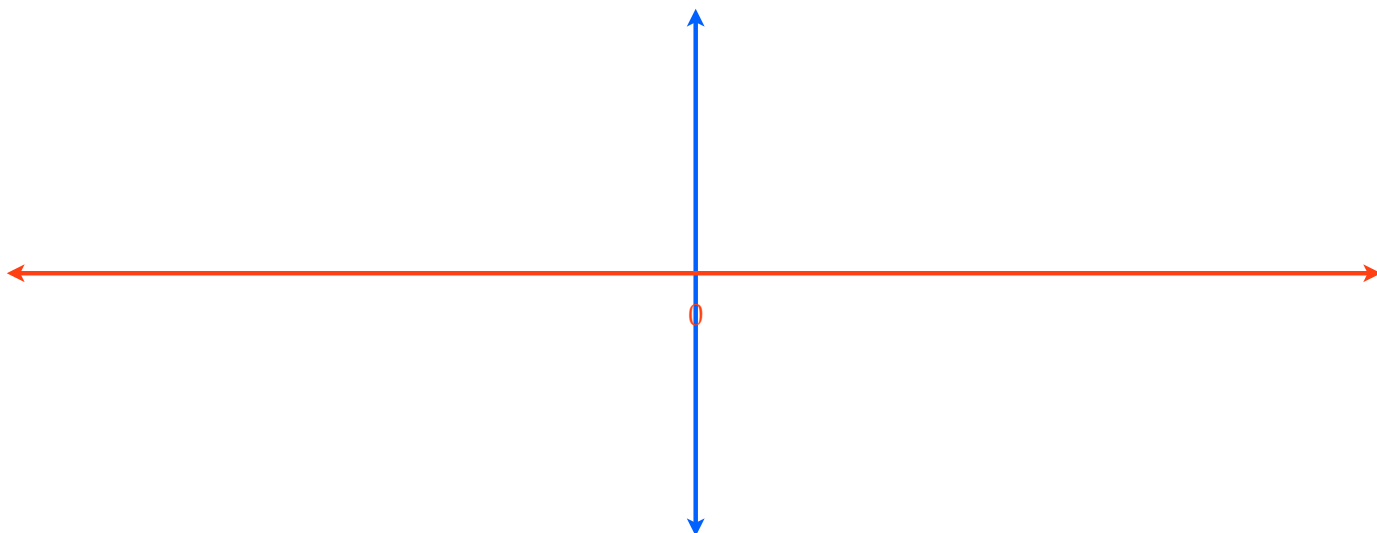
Period of $\cot x$ is π



$$y = \cot \frac{1}{2}x$$



$$y = \cot 2x$$



$$y = \cot \left(x - \frac{\pi}{4} \right)$$

