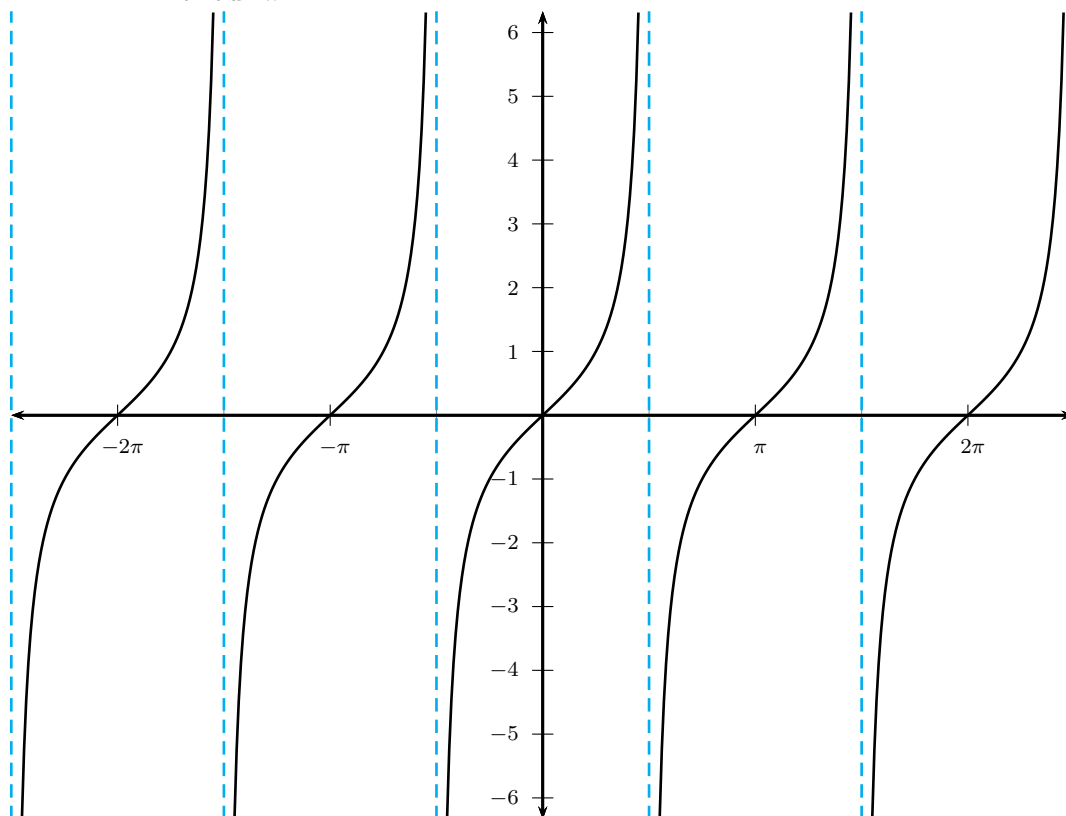


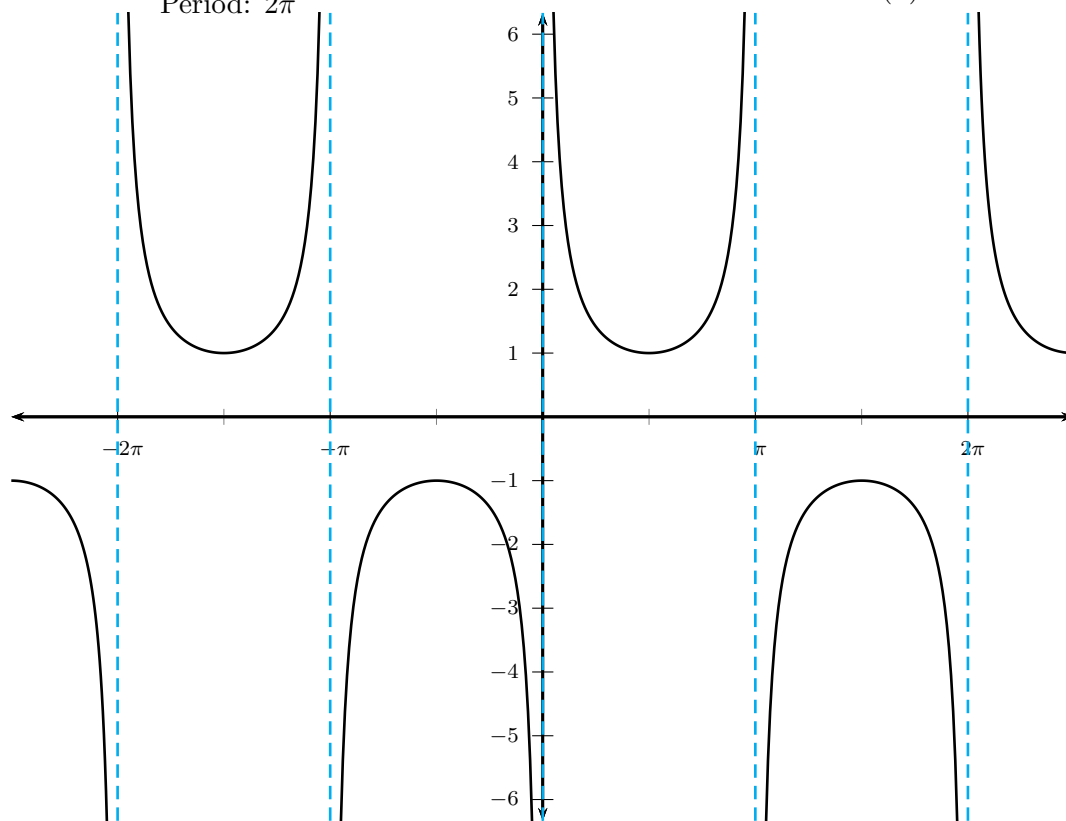
Domain: all  $x \neq \frac{\pi}{2} + n\pi$   
 Range:  $(-\infty, \infty)$   
 Period:  $\pi$

$$y = \tan(x)$$



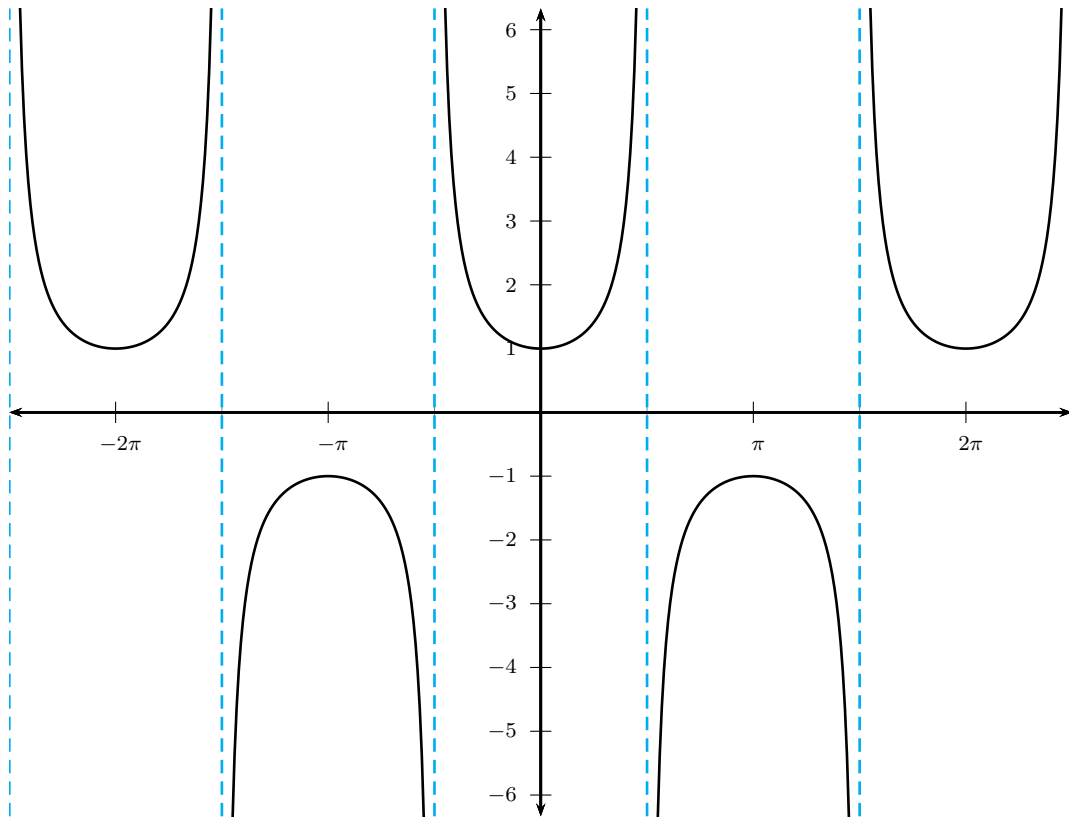
Domain: all  $x \neq n\pi$   
 Range:  $(-\infty, -1]$  and  $[1, \infty)$   
 Period:  $2\pi$

$$y = \csc(x) = \frac{1}{\sin(x)}$$



Domain: all  $x \neq \frac{\pi}{2} + n\pi$   
 Range:  $(-\infty, -1]$  and  $[1, \infty)$   
 Period:  $2\pi$

$$y = \sec(x) = \frac{1}{\cos(x)}$$



Domain: all  $x \neq n\pi$   
 Range:  $(-\infty, \infty)$   
 Period:  $\pi$

$$y = \cot(x) = \frac{1}{\tan(x)}$$

