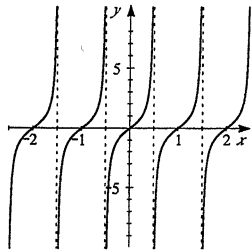
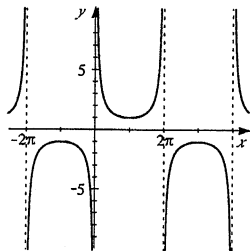


42.  $y = \tan \pi x$ , period =  $\frac{\pi}{\pi} = 1$

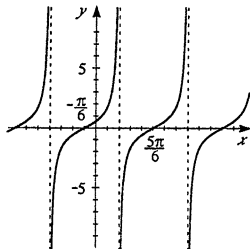


44.  $y = \sec \left( \frac{1}{2}x - \frac{\pi}{2} \right) = \sec \frac{1}{2}(x - \pi)$ ,

period =  $\frac{2\pi}{\left(\frac{1}{2}\right)} = 4\pi$



46.  $y = \tan \left( x + \frac{\pi}{6} \right)$ , period =  $\pi$



48.  $y = -4 \sec(4\pi x)$ , period =  $\frac{2\pi}{4\pi} = \frac{1}{2}$

