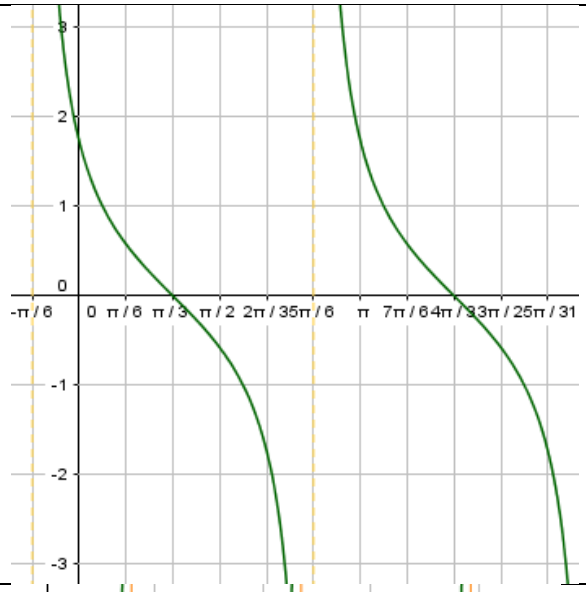
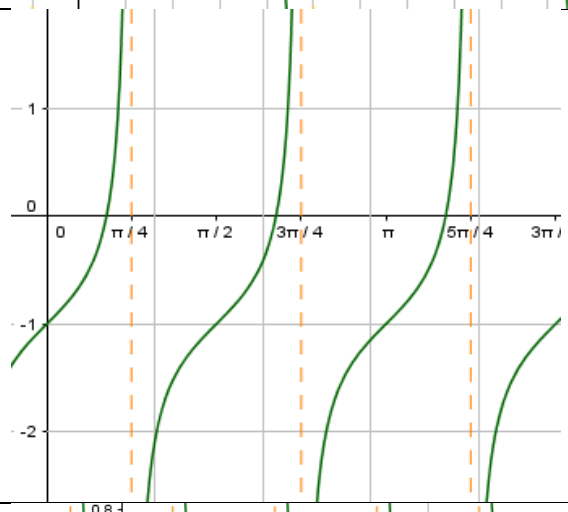
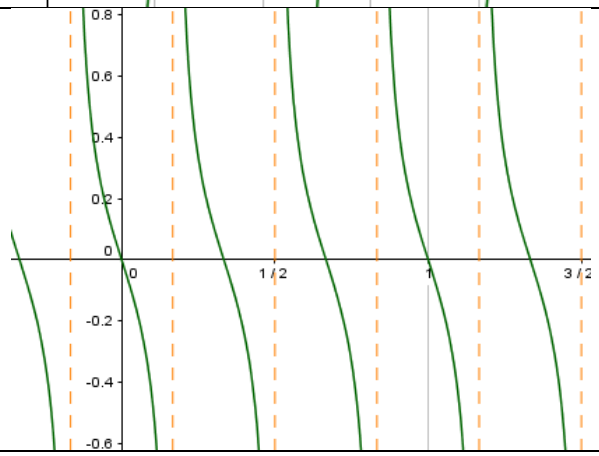
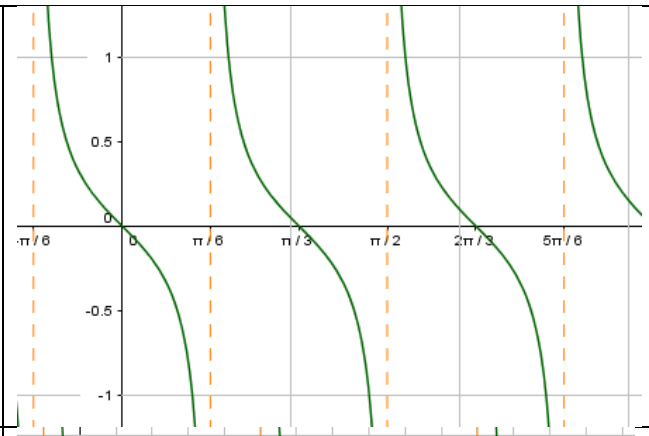
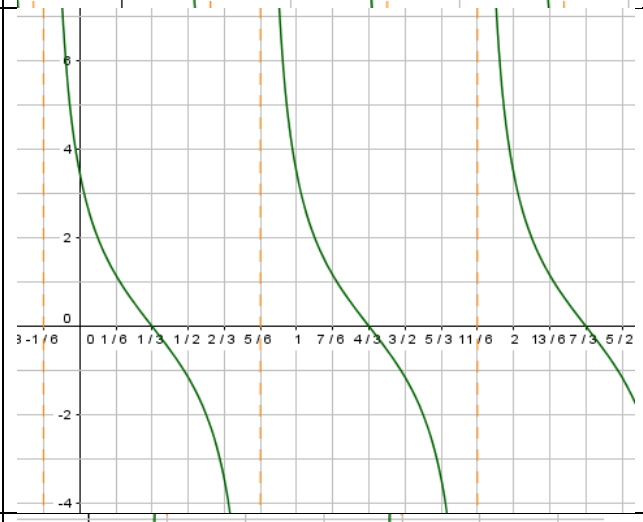
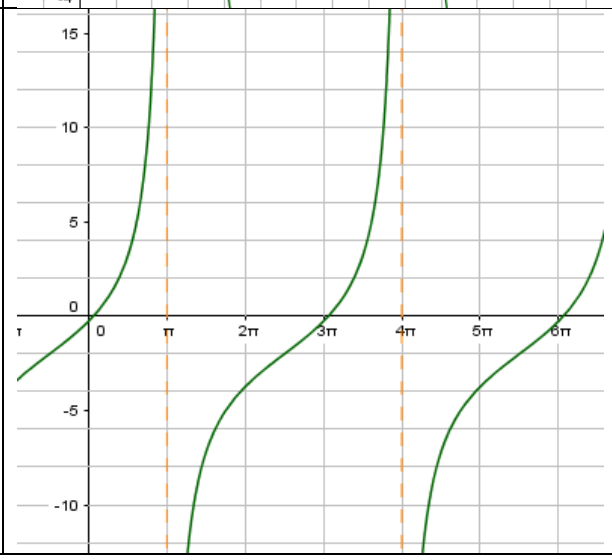
VD Topic 6 Part 1

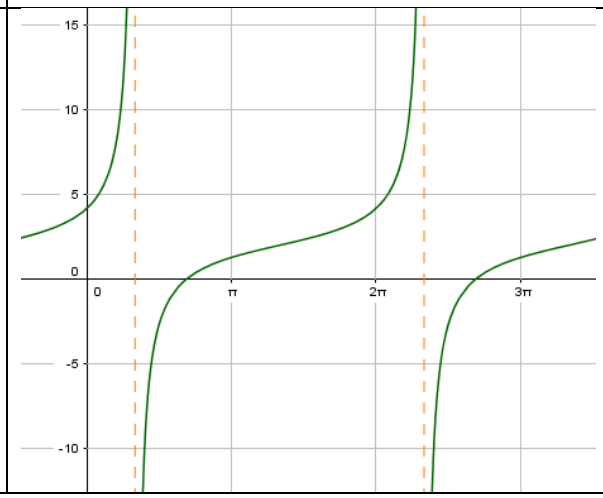
Graph the following functions, find its vertical asymptotes.

$f(x)=-\tan\left(x-\frac{\pi}{3}\right)$		VA: $x=\frac{5\pi}{6}+k\pi$
$f(x)=\frac{1}{2}\tan(2x-\pi)-1$		VA: $x=\frac{3\pi}{4}+\frac{k\pi}{2}$
$f(x)=-\frac{1}{3}\tan(3\pi x-\pi)$		VA: $x=\frac{1}{2}+\frac{k}{3}$

VD Topic 6 Part 1

$f(x)=-\frac{1}{3}\tan(3x-\pi)$		VA: $x=\frac{\pi}{2}+\frac{k\pi}{3}$
$f(x)=-2\tan\left(\pi x+\frac{2\pi}{3}\right)$		VA: $x=-\frac{1}{6}+k$
$f(x)=3\tan\left(\frac{x}{3}+\frac{\pi}{6}\right)-2$		VA: $x=\pi+3k\pi$

VD Topic 6 Part 1

$f(x)=-\frac{3}{4}\tan\left(\frac{4x}{3}+\frac{\pi}{3}\right)-2$		VA: $x=\frac{\pi}{8}+\frac{3\pi}{4}k$
$f(x)=\frac{5}{4}\tan\left(\frac{1}{2}x+\frac{\pi}{3}\right)+2$		VA: $x=\frac{\pi}{3}+2k\pi$