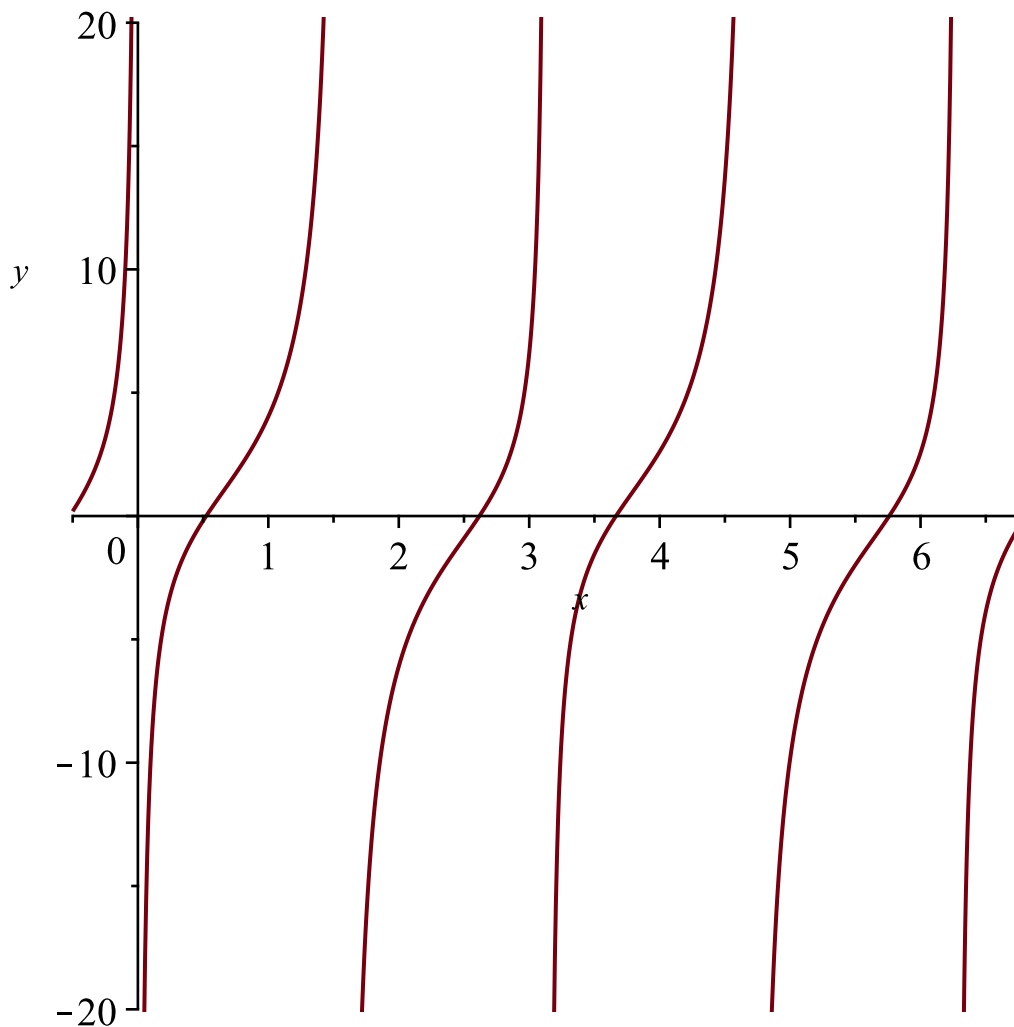


with(plots) :  
 plot(3·tan(x) - cot(x), x=-.5..(2·Pi + .5), y=-20..20, discontin = true)



solve(3·tan(x) - cot(x) = 0)

$$\frac{\pi}{6}, \frac{5\pi}{6}, -\frac{\pi}{6}, -\frac{5\pi}{6} \quad (1)$$

This is #6, Section 2.5

solve( tan(2·x) - cot(x) = 0)

$$\frac{\pi}{2}, -\frac{\pi}{2}, \frac{\pi}{6}, \frac{5\pi}{6}, -\frac{\pi}{6}, -\frac{5\pi}{6} \quad (2)$$

plot( tan(2·x) - cot(x), x=-.5..(2·Pi + .5), y=-20..20, discontin = true)

