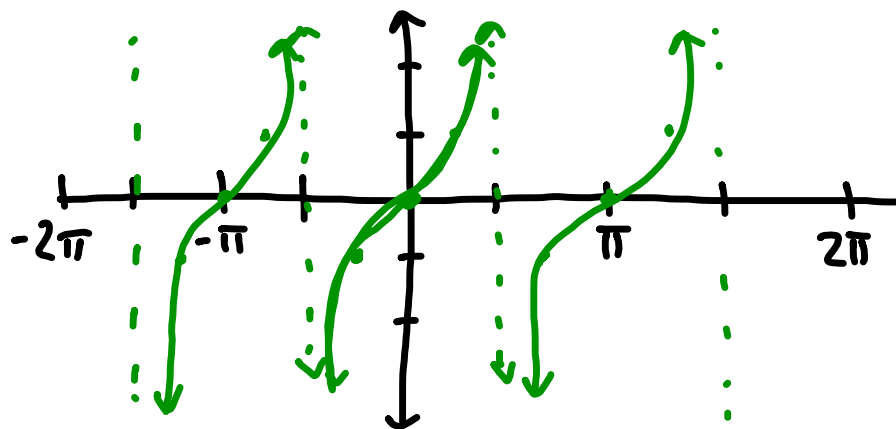$$y = a\tan(bx - c) + d$$

$$x = -\frac{\pi}{2} \quad \left(-\frac{\pi}{4}, -1\right) (0, 0) \left(\frac{\pi}{4}, 1\right) \quad x = \frac{\pi}{2}$$

⑩ $y = \tan\left(x + \frac{3\pi}{4}\right) - 2$

$x + \frac{3\pi}{4} = -\frac{\pi}{2}$ $\qquad\qquad$ $x + \frac{3\pi}{4} = \frac{\pi}{2}$

$x = -\frac{5\pi}{4}$ $\qquad\qquad\qquad$ $x = -\frac{\pi}{4}$

$\left(-\pi, -3\right)\left(-\frac{3\pi}{4}, -2\right)\left(-\frac{\pi}{2}, -1\right)$

$$y = a \cot(bx - c) + d$$

$$x = 0 \quad \left(\frac{\pi}{4}, 1\right) \left(\frac{\pi}{2}, 0\right) \left(\frac{3\pi}{4}, -1\right) \qquad x = \pi$$