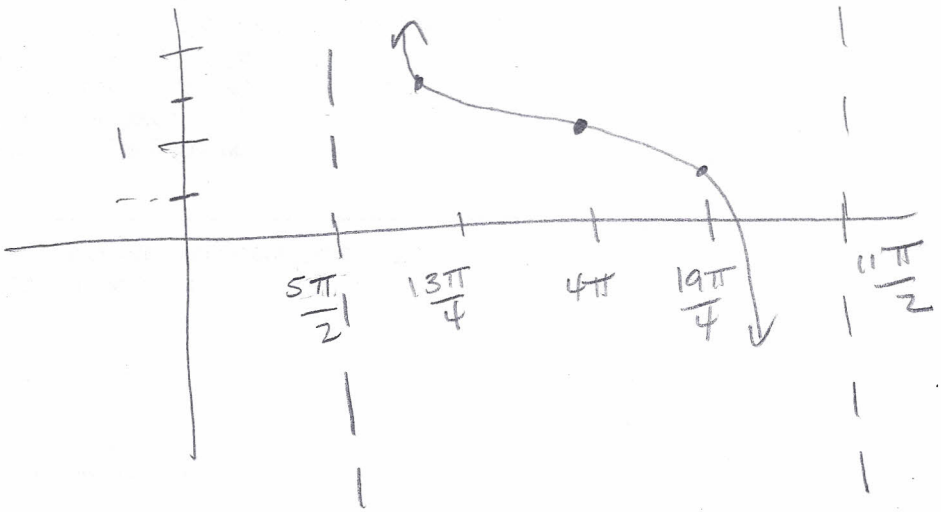
(5) $y = \frac{1}{2}\cot\left(\frac{\theta}{3} - \frac{5\pi}{6}\right) + 1$

Vert stretch of $\frac{1}{2}$

Per $= 3\pi$

PS $= \frac{5\pi}{2}$ (right)

VS $= 1$



$\frac{3\pi}{4}$

$\frac{10\pi}{4}$	$\frac{5\pi}{2}$
	$\frac{13\pi}{4}$
$\frac{16\pi}{4}$	4π
	$\frac{19\pi}{4}$
$\frac{22\pi}{4}$	$\frac{11\pi}{2}$

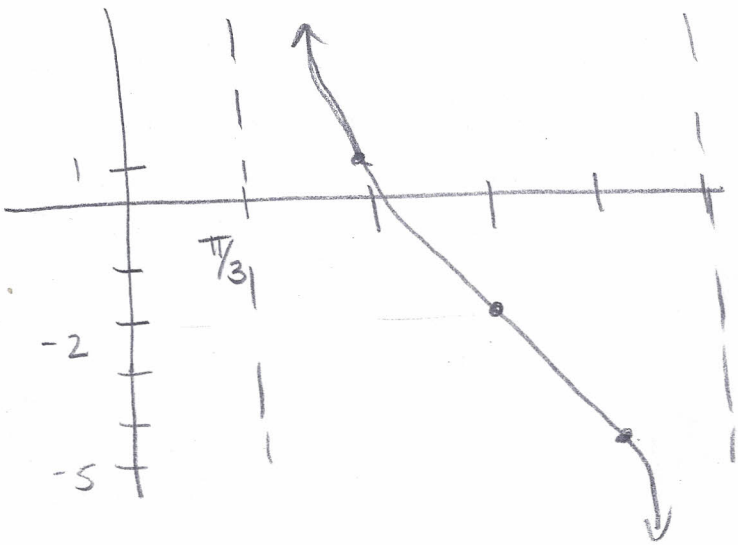
(6) $y = 3\cot\left(\frac{\theta}{2} - \frac{\pi}{6}\right) - 2$

vert stretch of 3

per $= 2\pi$

PS $= \frac{\pi}{3}$ (right)

VS $= -2$



$\frac{\pi}{2} = \frac{3\pi}{6}$

$\frac{2\pi}{6}$	$\frac{\pi}{3}$
	$\frac{5\pi}{6}$
$\frac{8\pi}{6}$	$\frac{4\pi}{3}$
	$\frac{11\pi}{3}$
$\frac{14\pi}{6}$	$\frac{7\pi}{3}$