

T/PC

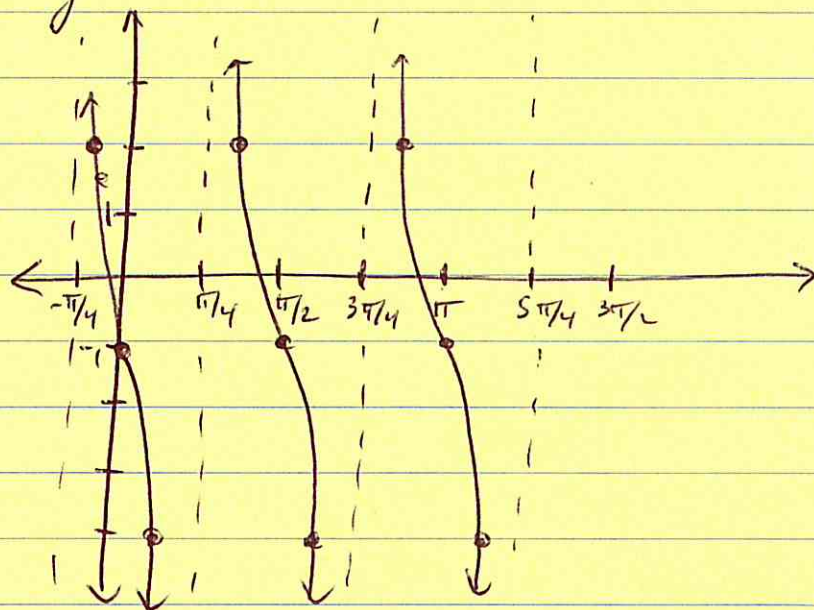
Ch 4

Sec 4.4, 4.5

Trig Graphing Review

3. $y = -3 \tan 2x - 1$ $P = \pi/2$

x	y	$\frac{1}{2}x$	$-3y$	x	$y-1$
0	0	0	0	0	-1
$\pi/2$	undef	$\pi/4$	undef	$\pi/4$	undef
π	0	$\pi/2$	0	$\pi/2$	-1
$3\pi/2$	undef	$3\pi/4$	undef	$3\pi/4$	undef
2π	0	π	0	π	-1
$\pi/4$	1	$\pi/8$	-3	$\pi/8$	-4

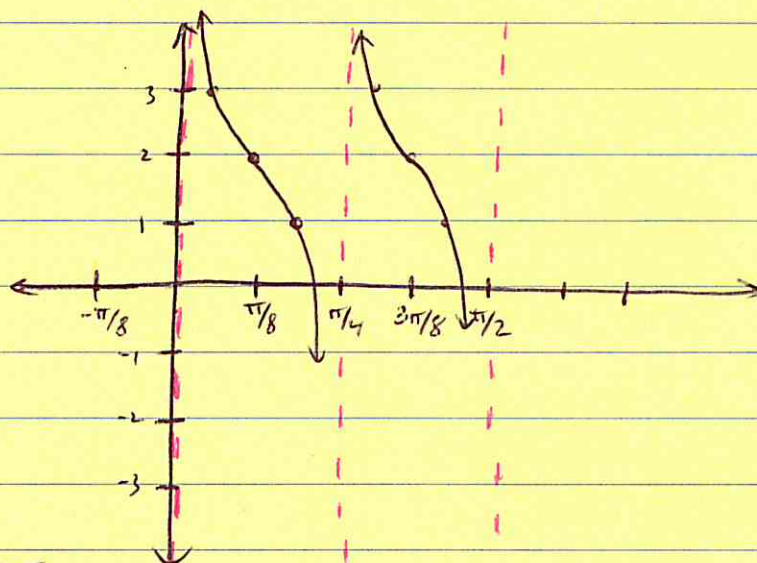


Asymptotes $x = \pi/4 + n\pi/2$ or $x = \frac{(2n+1)\pi}{2}$
 Zeros (before $y-1$) $x = \frac{n\pi}{2}$

Domain $x \neq \pi/4 + n\pi/2$ Range $(-\infty, \infty)$

4. $y = \cot(4x) + 2$ $P = \pi/4$

x	y	$\frac{1}{4}x$	y	x	$y+2$
0	undef	0	undef	0	undef
$\pi/2$	0	$\pi/8$	0	$\pi/8$	2
π	undef	$\pi/4$	undef	$\pi/4$	undef
$3\pi/2$	0	$3\pi/8$	0	$3\pi/8$	2
2π	undef	$\pi/2$	undef	$\pi/2$	undef
$\pi/4$	1	$\pi/16$	1	$\pi/16$	3



Asymptotes: $x = \pi/4 + n\pi/4$ or $n\pi/4$

Zeros (before $y+2$) $x = \pi/8 + n\pi/4$ or $(2n+1)\pi/8$

Domain: $x \neq \pi/4 + n\pi/4$ Range $(-\infty, \infty)$