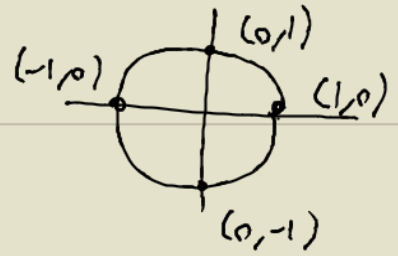
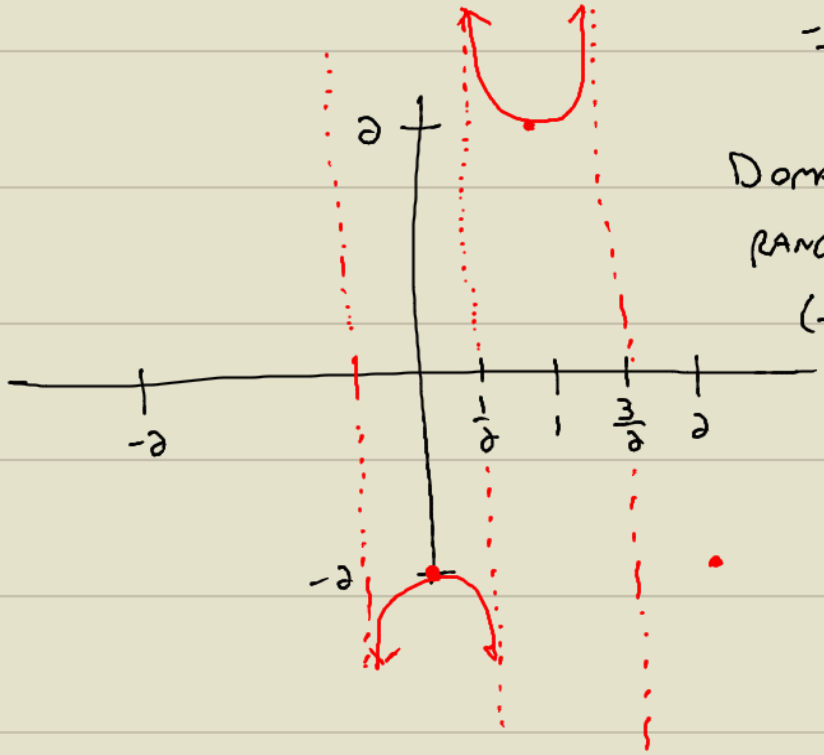
4. $y = -2\sec(\pi x)$

$\sec = \frac{1}{x}$



$\text{PERIOD} = \frac{2\pi}{b} = \frac{2\pi}{\pi} = 2$

	X	Y
Z	0	$-2\sec(\pi \cdot 0) = -2\sec(0) = -2(1) = -2$
$\frac{1}{4}$P	$\frac{1}{2}$	$-2\sec(\pi \cdot \frac{1}{2}) = -2\sec(\frac{\pi}{2}) = \text{UND.}$
$\frac{1}{2}$P	1	$-2\sec(\pi \cdot 1) = -2\sec(\pi) = -2(-1) = 2$
$\frac{3}{4}$P	$\frac{3}{2}$	$-2\sec(\pi \cdot \frac{3}{2}) = -2\sec(\frac{3\pi}{2}) = \text{UND.}$
P	2	$-2\sec(\pi \cdot 2) = -2\sec(2\pi) = -2$



$-\frac{1}{2}, \frac{1}{2}, \frac{3}{2}, \frac{5}{2}$

DOMAIN: $x \neq \frac{n}{2}$, n is odd

RANGE:

$(-\infty, -2] \cup [2, \infty)$