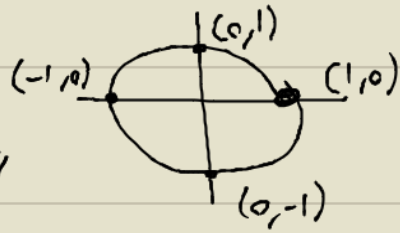


5. $y = \underline{3 \csc(4x)} - 2$
DOWN 2

PERIOD = $\frac{2\pi}{b} = \frac{2\pi}{4} = \frac{\pi}{2}$

$\csc = \frac{1}{y}$



X	Y
0	$3 \csc(4 \cdot 0) = 3 \csc(0) = \text{UNDEF.}$
$\frac{1}{4}P$	$3 \csc(4 \cdot \frac{\pi}{8}) = 3 \csc(\frac{\pi}{2}) = 3(1) = 3$
$\frac{1}{2}P$	$3 \csc(4 \cdot \frac{\pi}{4}) = 3 \csc(\pi) = \text{UNDEF.}$
$\frac{3}{4}P$	$3 \csc(4 \cdot \frac{3\pi}{8}) = 3 \csc(\frac{3\pi}{2}) = 3(-1) = -3$
P	$3 \csc(4 \cdot \frac{\pi}{2}) = 3 \csc(2\pi) = \text{UNDEF.}$

$\frac{0\pi}{4}, \frac{1\pi}{4}, \frac{2\pi}{4}, \frac{3\pi}{4}$

Domain: $x \neq \frac{n\pi}{4}$,
 n IS INTEGER

RANGE:
 $(-\infty, -5] \cup [1, \infty)$

