

T/PC

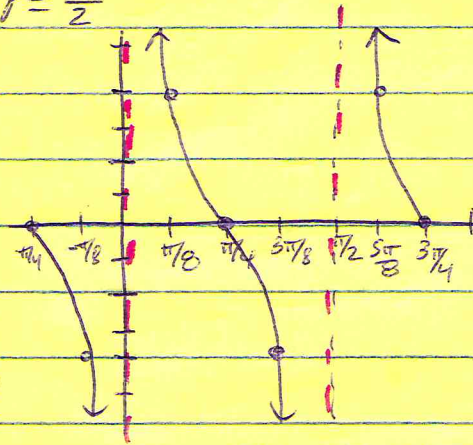
Sh 4

Sec 4.5

Cotangent Graphs 6 problems

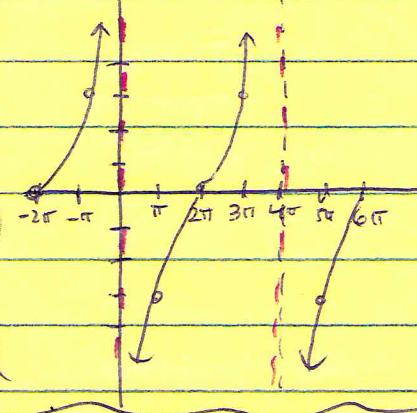
① $y = 4 \cot 2x$ $P = \frac{\pi}{2}$

x	y
0	undefined
$\pi/4$	0
$\pi/2$	undefined
$3\pi/4$	0
π	undefined



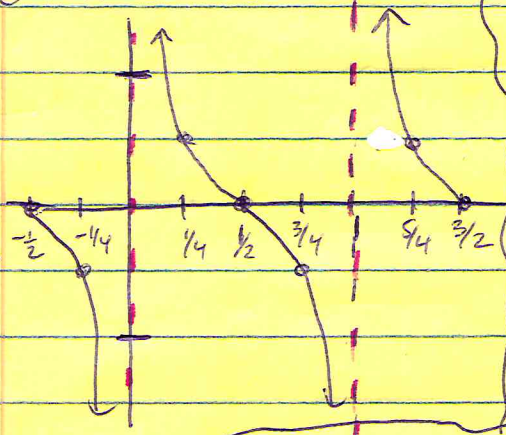
② $y = -3 \cot \frac{1}{4}x$ $P = \frac{\pi}{\frac{1}{4}} = \pi \cdot 4 = 4$

x	y
0	undefined
2π	0
4π	undefined
6π	0
8π	undefined



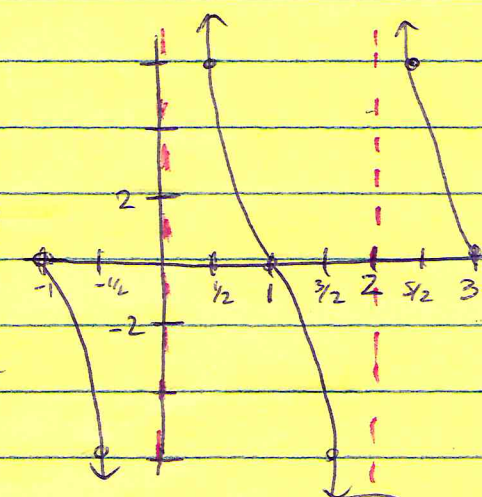
③ $y = \frac{1}{2} \cot \pi x$ $P = \frac{\pi}{\pi} = 1$

x	y
0	undefined
$\frac{1}{2}$	0
1	undefined
$\frac{3}{2}$	0
2	undefined



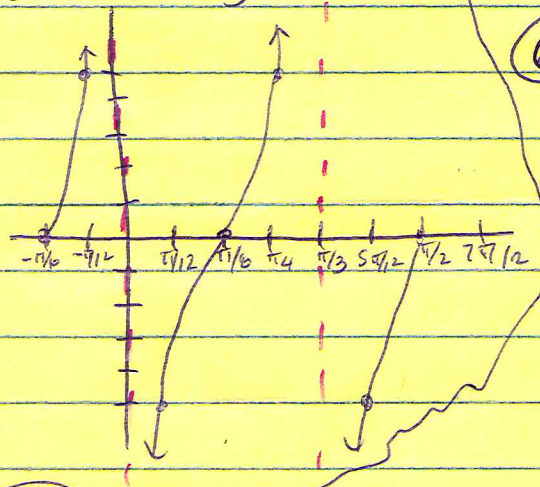
④ $y = 6 \cot \frac{\pi}{2}x$ $P = \frac{\pi}{\pi/2} = \pi \cdot \frac{2}{\pi} = 2$

x	y
0	undefined
1	0
2	undefined
3	0
4	undefined



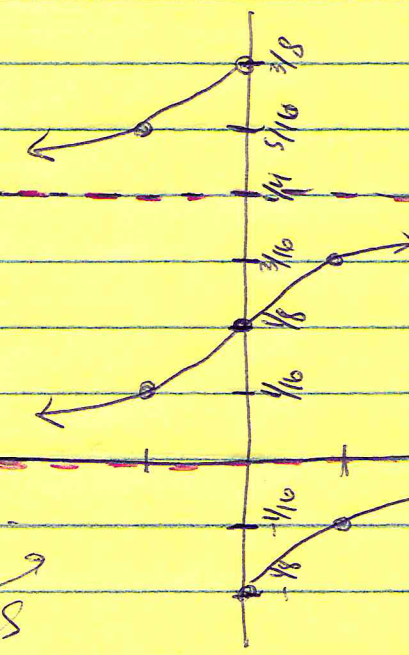
⑤ $y = -5/2 \cot 3x$ $P = \pi/3$

x	y
0	undefined
$\pi/6$	0
$\pi/3$	undefined
$\pi/2$	0
$2\pi/3$	undefined



⑥ $y = \cot 4\pi x$ $P = \frac{\pi}{4\pi} = \frac{1}{4}$

x	y
0	undefined
$\frac{1}{8}$	0
$\frac{1}{4}$	undefined
$\frac{3}{8}$	0
$\frac{1}{2}$	undefined



(Sorry)
sideways