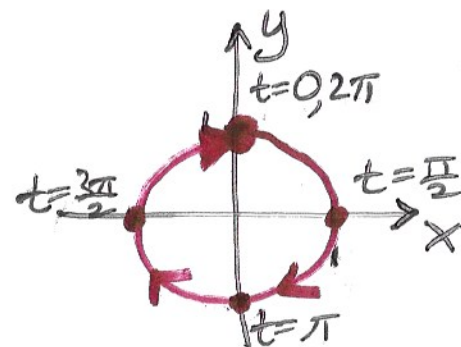
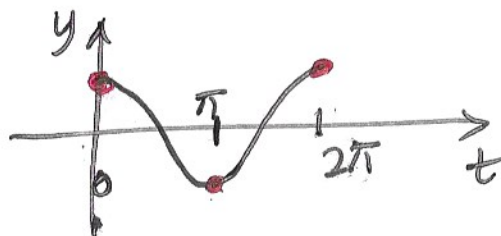
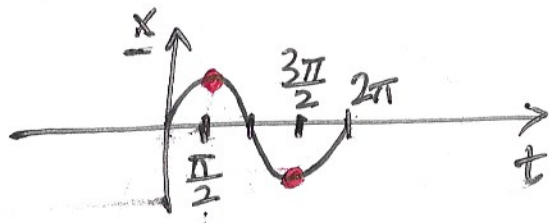


11.6

SKETCH $x = \sin t$: $t \in [0, 2\pi]$

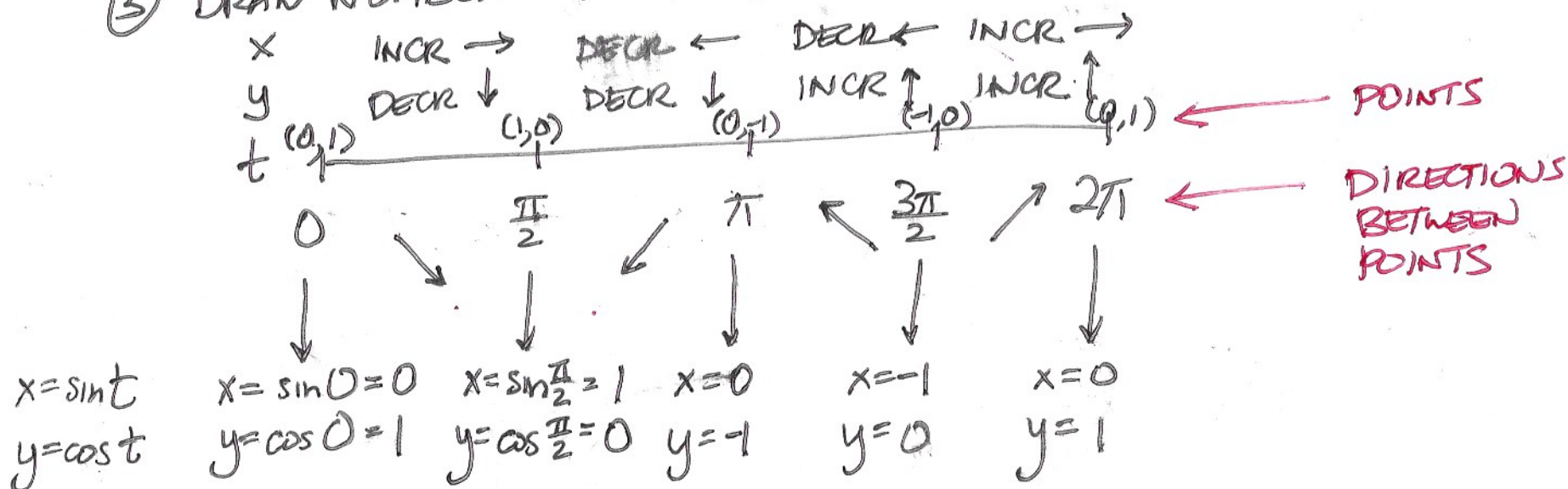
$y = \cos t$:

- ① SKETCH BOTH ^{EQUATIONS} CURVES SEPARATELY
(t ON HORIZONTAL AXIS)



- ② LOCATE MAX/MIN OF x, y + RECORD t -VALUES

- ③ DRAW NUMBER LINE FOR t + MARK OFF



ELIMINATE THE PARAMETER FOR $x = \sin t$
 $y = \cos t$, $t \in [0, 2\pi]$

$t = \sin^{-1} x \neq \frac{1}{\sin x}$
or $t = \arcsin x$

$y = \cos(\arcsin x)$ GRAPH? 

RANGE OF $\arcsin x \in \left[\frac{\pi}{2}, \frac{\pi}{2}\right]$
IE. Q_1, Q_4

RANGE OF $\cos(\arcsin x) > 0$
 $y \in [0, 1]$

DON'T USE INVERSE

TRIG TO ELIMINATE PARAMETER