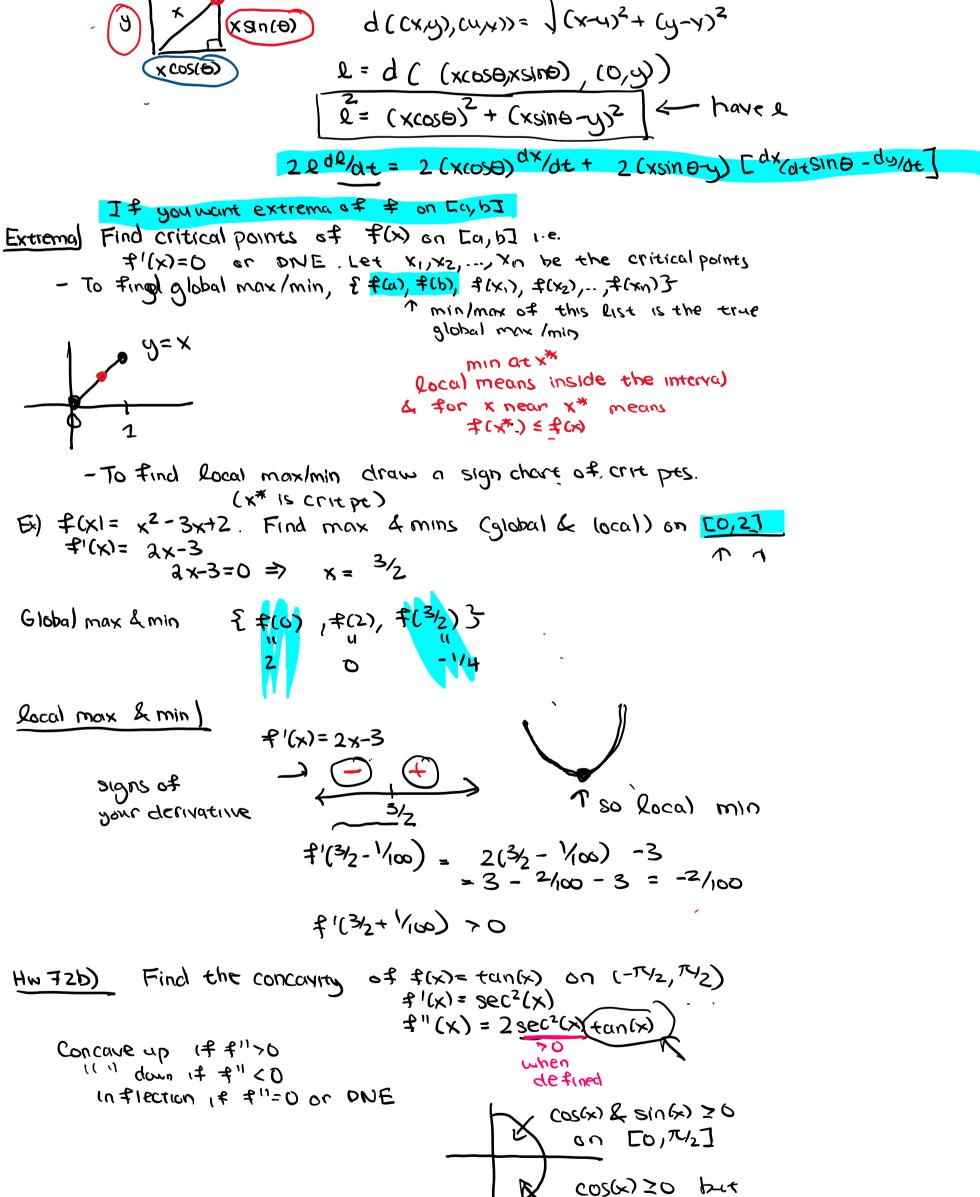


Ex3) Practice midtern #3
Want
$$dl/dt$$
 at $x=y=10$
Given $dx/dt = 3$ $dy/dt = 2$, θ
 $y = \frac{1}{\sqrt{2}} + \frac{$

Q = distance between the 2 points



Survey so on
$$C^{-\pi/2}$$
, $G_1^{-\pi/2}$
 $SR^2(x) = \frac{1}{CS^2(x)}$ Defined $(-\pi/2, \pi/2)$
 $tan(w) > 0$ on $(0,\pi/2)$ < concave up
 $tan(w) > 0$ on $(-\pi/2)$ < concave down
 $x=0$ < inflecton points
Worksheet
1a) average glape is an $(0,\pi)$
 $f(\pi) - f(0) = f'(0,1)$ for some w in $(0,\pi)$
 $(\pi^{-1}(x) - f(0) = f'(0,1)$ for some w in $(0,\pi)$
 $(\pi^{-1}(x) - f(0) - f(0,1))$
 $(\pi^{-1}(x) - f(0,1))$ for some w in $(0,\pi)$
 $(\pi^{-1}(x) - f(0,1)) - f(0,1)$
 $(\pi^{-1}(x)$