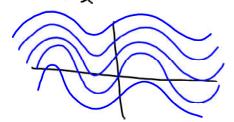
Next quiz: 6.1 +6.2 2/9/18

C.1 Differential Equations + Slope Fields

Sex) Graph the family of curves that solves $\frac{dy}{dx} = \cos x$ $y = \sin x + C$ general solution



$$O = e^{1-2(1)^{3}+c}$$

$$0 = e - z + c$$

$$0 = e - 2(1)^{3} + C$$

$$0 = e - 2 + C$$

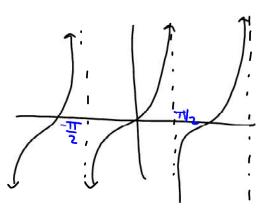
$$y = e^{x} - 2x^{3} - e + 2$$

$$Particular solution$$

$$y = \chi^2 - \tan x + C$$

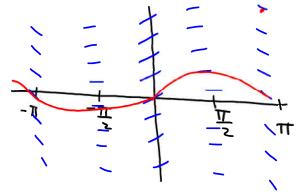
$$y = \chi^2 - \tan x + 3$$

$$D: -\pi_2 < \chi < \pi_2$$



$$\xi_{x}$$
) $f'(x) = \int e^{-x^{2}}, f(\tau) = 3$
 $f(x) = \int e^{-x^{2}} dt + 3$

Find a slope field for $\frac{dy}{dx} = \cos x$.



$$\cos 0 = 1 \qquad \cos \frac{\pi}{2} = 0$$

$$\cos \frac{\pi}{2} = 0 \qquad \cos -\pi = -$$

