224.12.23 15016 (分数多方线) DIE DIFFERENTIAL EQUATION $\frac{Ex_1}{dx} = f(x)$ $y = \int f(x) \cdot dx$ Ex 2 (dx+x) y=0 Tanni hilation operator AEn Hey = S gcy, ; F(x) = Sf(x)·dx H(y) = F(x) + C, C is constant implicit $y = H^{-1}(F(x) + C)$ Remake (y \$0) (A 70) leaves out

separate of vows $dy = f(x) \cdot dx$ y=Joly = Stixidx = Etixi Ex 3, the slope of the tagent line is = twice slope of ray from origin $\rightarrow \frac{dy}{dx} = 2 \times \int \frac{dy}{y} = \int \frac{dx}{x} \cdot \frac{2}{x} \cdot \frac{x}{y} y + 0$ $\frac{dy}{dx} = \frac{2y}{x}$ — undifined at x = 0the (好好的差殊) hat slope? 1) 2y.dy = -x.dx at y=0, slope is not exist

odie.

Unit 2 EXAM 1. LINEAR/Quaratic Approx h sketch A gruph 3. Nex/ Min 4 RELATED RATES 5, ANTI DERIVATIVE + Solve 6. MVT