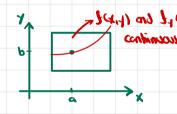
$$\int_{E_{\delta}}^{E_{\kappa}} F_{\kappa} = m\dot{v}(t) = 0 \quad mg + k_{\kappa}v = m\dot{v} = \dot{v} = g + \frac{k_{\kappa}}{m}v$$

$$\dot{V} - \frac{k_1}{m} V = 9$$

$$A = \frac{k'}{2m} + Ce \frac{m}{k'} +$$

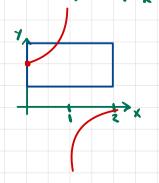
Existence and Uniqueness



a f and f continuous on IR

CR can chase on I interest in the de sind a conique solin in tar TVP of 10) =1, say (0,2). Existence and Uniqueness is quadrated in (0,3).

the sain
$$-1(x) = \frac{1}{1-x}$$
 is discarbanase of $x = 1$.



Example: X1-51 -01-54 - 2(x1) 1- 2 = 1 and 1 dwant at x = 0 For any X- a to use concepty Exist. Luniquen. Theosom and conclude these is execut one solin to IVP cush united constricts (a) = b, on an apen interval dound a. 2004 2014 26: 1-191-5X, - 2411-52111+C' - 111 - 650111 Ec. - 6c, 1x1, = 1(x) - CX, All presbates 1. Cx2 pers brough (0,0), so INP al 1(0)=0 has inhinite salins. on the alma tap all 1(0) - It o has no solutions.