## Physics 201 - Lecture 12

How thing move

$$\vec{z}, \vec{v} | \vec{a} \quad (fuchous f time)$$
 $\vec{v} = d\vec{v} \quad | \vec{v} = fadt$ 
 $\vec{c} = d\vec{v} \quad | \vec{v} = frdt$ 

The same Newtonn

How do we collecte the acceleration?

MININY 10 things were?

Physics & Forces act upon them. 1st Law: Things don't more unless there are forces acting on than from the ontside. NO MAGIC! Natural fore in Gravity The vivere between ay two dijects that have mass. (ontact Forces

6 Something actually Tream tre diject. - havd - Instium a fost - vope - custe (i) Forces and (ii) If I have multiple fives in an object:

Danition:

If I punch you in the face, your face prundes my fret back just us hard ! Forces always cone in pairs

"For every action, there is an egan and ipposite reaction."

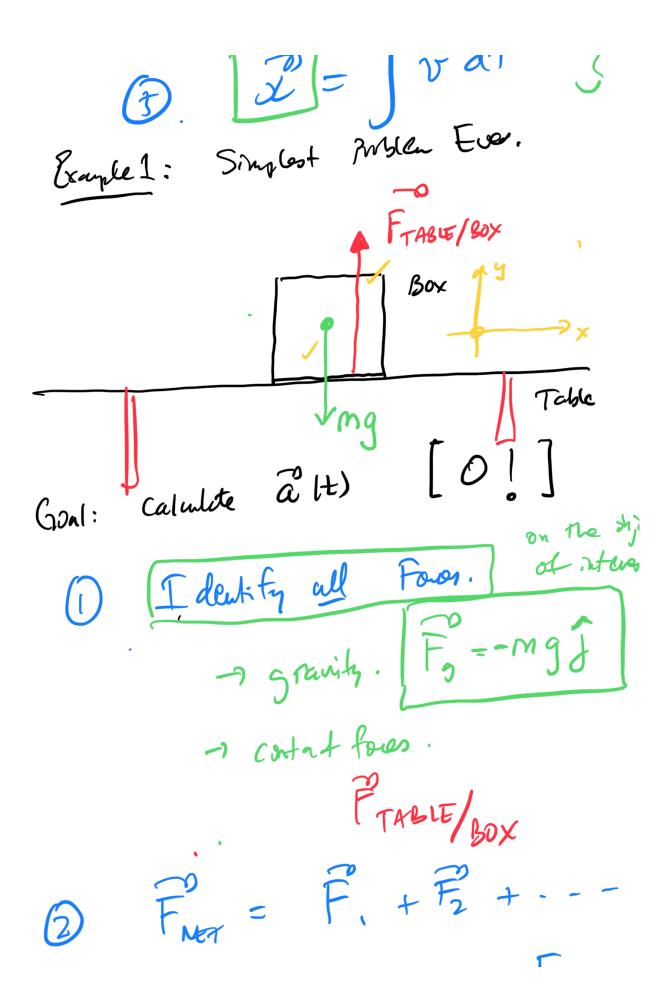
Reupe:

1 I dentify all it the forces acting on an stiject.

B FNET = Ma Kironti

4) To a dt Pactro.

P ~ 11 5



Frank/Box

The Famo/TAGE F

Tage G

Mage G

MTASLE 9

MOS

BODY

FREE

