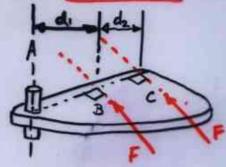
MOMENT:

A FORCE WILL TEND TO ACCELERATE BODY IN

A SECOND EFFECT IS THAT IT WILL TEND TO ROTATE THE BODY. ABOUT AN AXIS



EVEN THOUGH THE 2 FORCES

At B & C HAVE EQUAL

MAGNITUDE, THEIR

MOMENTS ABOUT AXIS

A ARE DIFFERENT

Magnitude of moment:

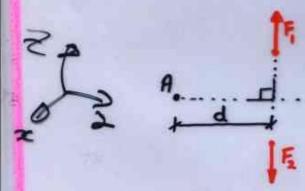
M= Fd , F is already familiar

"d" is the "MOMENT ARM":

Perpendicular distance between axis and

the line of action of force.

Easier to see in 2D (then axis is a point)



DIRECTION OF FORCE is IMPORTANT

F, would cancel moment of F2 about A

.. We define moment as a vector QUANTITY

1月11-11月1