## TORQUE THE FULCRUM IS THE POINT OF SUPPORT AROUND WHICH A BODY ROTATES

TORQUE IS THE VECTOR PRODUCT BETWEEN FORCE AND DISPLACEMENT TO THE FULCRUM.



· VECTOR PRODUCT: AKA CROSS PRODUCT · TWO PERPENDICULAR VECTORS THAT MULTIPLY TO A VECTOR · IF NOT PERPENDICULAR, USE THE PERPENDICULAR COMPONENT. PERPENDICULAR COMPONENT. PERPENDICULAR = dFSINQ



GRAVITY ACTS ON AN OBJECT.





WHEN IN ROTATIONAL EQUILIBRIUM, THE FULCRUM CAN BE PLACED ANYWHERE. PLACE THE FULCRUM STRATEGICALLY TO ELIMINATE A TORQUE













CAN ALSO BE SOLVED USING T<sub>CN</sub>=T<sub>CCW</sub>

