

Flipping Physics Lecture Notes:

Net Torque on a Door

 $F_{u} = 210N$

'_ =160N

Example: Kate, Geneve, and Ryan all push on a door as shown in the figure. Assuming the hinge is the axis of rotation of the door, determine the net torque caused by these three forces.



According to the Right Hand Rule, Geneve's torque is negative and Ryan's torque is positive.