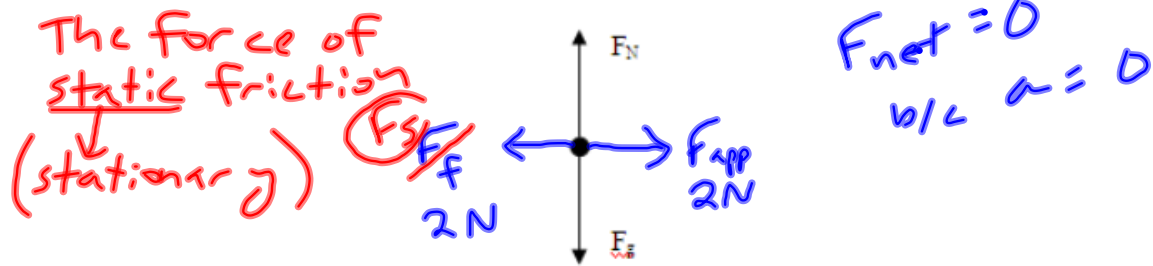


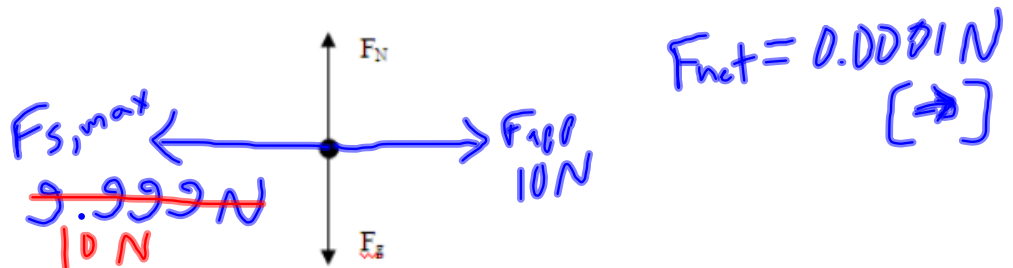
INTRODUCTION TO FRICTION – “THE HOVERCRAFT”

→ After watching the hovercraft demonstration try to draw the correct FBD of the student-hovercraft system in each of the situations below. Assume the teacher is pulling to the [right].

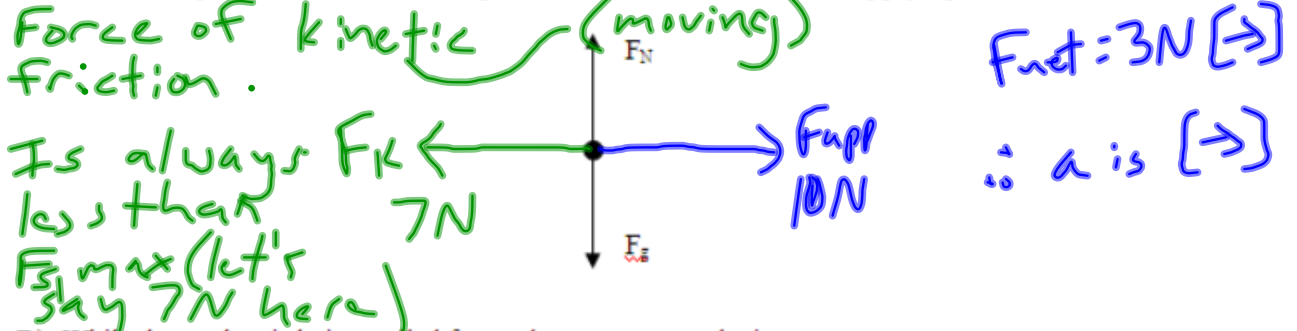
A) If the teacher pulls so lightly (let's say with 2 N) that the student doesn't move.



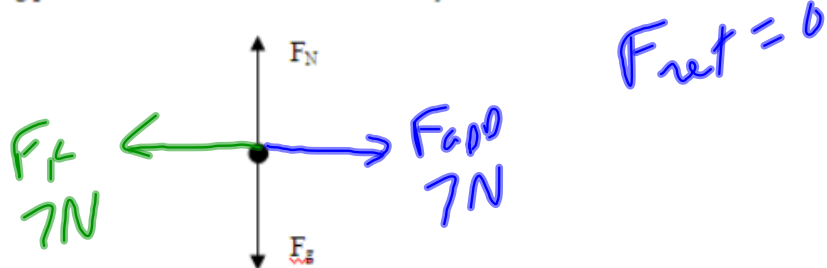
B) When the teacher pulls with just enough force to get the student moving (let's say with 10 N).



C) Immediately after the student has begun to move if the teacher is still applying a 10 N force.



D) While the student is being pulled forward at a constant velocity.



E) After the student has been let go of and the teacher is no longer pulling.

