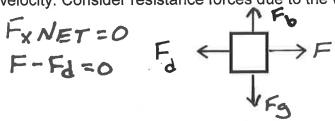
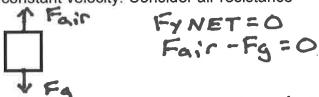
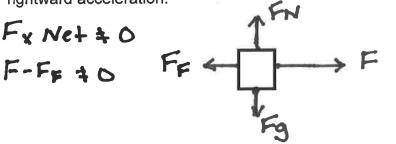
- 1. Draw and label all forces acting on the object. If you can't name the force, don't draw the force.
- 2. State whether the net force is zero or non-zero.
- 3. Write the f_{net} equations for the diagram.
- 1. A rightward force is applied to a boat in order to move it through the water at constant velocity. Consider resistance forces due to the water. Neglect air resistance.



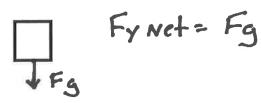
2. A skydiver is descending with a constant velocity. Consider air resistance



3. A force is applied to the right to drag a sled across loosely-packed snow friction with a rightward acceleration.



4. A football is moving upwards towards its peak after having been booted by the punter. Neglect air resistance.



5 A car is coasting to the right and slowing down.

