

Name _____

Science

Class _____

Date _____

Homework 3-19: Balanced and Unbalanced Forces

Answer on a separate paper, show all work!

1. Describe an example and draw a force diagram of a situation with:
 - a. balanced forces.
 - b. unbalanced forces.

2. Imagine that a parked car is hit from the left with 20,000 N of force at the exact same time it is hit from the right with 30,000 N of force.
 - a. Draw a force diagram showing the two forces acting on the parked car.
 - b. Draw another force diagram showing only the net force on the parked car.