Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Exit Ticket Forces

|  |  |
| --- | --- |
| 1a. For the free body diagram below, are the forces  balanced or unbalanced? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  1b. What is the net force on the object below? Be  sure to include **magnitude** and **direction**!  Net Force = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 2. Ms. Zimmer pushes a trash can and it moves  across the cafeteria floor. Draw a free body  diagram below. Label each force (force of  gravity, friction, normal force, applied force) |

20 N

25 N

3. **Directions:** Draw a free body diagram to show the forces acting in each example.

|  |  |  |
| --- | --- | --- |
| a) A plant sits on a bookshelf.  Draw the forces acting on the  plant. | b) You push a sled carrying your  little brother across the snow. | c) A person hangs from a bungee  cord. |