Name: _____

Period: _____

HW—3:1 — Newton's Three Laws of Motion
Mr. Murray, IPC
www.aisd.net/smurray

Assigned: Thurs., 1/29/04
Due: Mon., 2/2/04

5 Newton pull to the left on an object; 10 Newtons pull to the right. Fin net force.

A box is being pulled by two people with 3 Newtons and 4 Newtons to the right. Another person is lazy and is holding on with 2 Newtons to the left. Find the net force on the box.

A 40 kg cart is given 4 m/s2 of acceleration. How big a force caused this?	
Variables	Formula and solution:

Do Work on back

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HW 3:1

Inertia	Net force
Mass	Force
Gravity	weight

Number these from least (1) to most (5) inertia..				
A bag of concrete	A bowling ball	A quarter	A piece of paper	A stopped train
Number these from least (1) to most (5) momentum.				
A slow train	A slow truck	A slow car	A baseball at rest	A slow dime

An object at rest wants to stay at rest because of:

The force of gravity on your mass is called your:

The sum of all forces acting on an object:

The measure of how much matter in an object:

The force that attracts any two objects toward each other:

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