Name: _____

Period:_____

**HW—4:3 — Incline Planes**
**Mr. Murray, IPC**
**www.aisd.net/smurray**

**Assigned: Thurs., 2/12/04**
**Due: Tues., 2/17/04**

| You lift a 45 N object. With a ramp you only use 15 N of force. Find MA. | You are lifting an object up 2 m with a 12 m incline plane. Find MA. | If you lift an object up 3 m with an incline plane with an MA of 6. Find the length of the ramp. |
|---|---|---|
| | | |

**Work on back**


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**Don't forget the front side**

HW 4:3

| | | | |
|---|---|---|---|
| Inertia | Net force | Weight | Heat |
| Mass | Force | Equilibrium | Law of Conservation of Momentum |
| Gravity | g | Mass | |

When all forces on an object are balanced.

An action that can causes motion.

The a product of friction.

Force pulling all object toward each other.

Total of all of the forces on an object.

Ability of an object to resist change of motion.

The force of gravity on an object.

The amount of matter in an object

Momentum does not change in a closed system
OR $m_L v_L = m_R v_R$

The acceleration of gravity.

The measure of the matter in an object.

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