Name: _____

Period:_____

HW—3:3 — Momentum
Mr. Murray, IPC
www.aisd.net/smurray

Assigned: Wedn., 2/4/04
Due: Fri., 2/6/04

A 5 kg rock is going 7 m/s. Find its momentum:

Variables: Formula:

Solution:

A 10 kg brick has 5 kgm/s of momentum. Find its velocity:

Variables: Formula:

Solution:

A 10 kg girl on ice skates throws a 2 kg bouquet of flowers 20 m/s to the right. 1) Which direction is she going afterward?

2) Calculate the girl's mass: (show equation and work)

Work on back

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Don't forget the front side

HW 3:3

Inertia	Law of Conservation of Mass
Law of Conservation of Momentum	Weight
Net force	Mass

Number these from least (1) to most (5) momentum..				
A bullet	A fast car	A slow baseball	A house	A fast train

Says that mass is never created nor destroyed:

Says that momentum is conserved in a closed system:

Keeps moving objects moving in a straight line:

Force of gravity on mass:

Amount of matter (stuff) in an object:

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