Physics 160

Extra Credot #20

And the second

Impulse & Monouton Ranking

Parta)

7=mv = P, = (500K)(10mls) = 5,000 Kg·mls of

Pz = (2000/g)(5-/s) = 10,000 /g.mls of 200

Py = (5006)(20mb) = 20,000 kg mls

Py = (5006)(20mb) = 18000 kg.mls

Ps = (4000/5)(Jmb) = 20,000 g.mls of

P6 = (1000K X 10mb) = 10,000 Kg.mls &

Part 6) RANK IMPULSE De Needed to stop

J=AP=P2-P1. P2=O For all => SAME PANKing as Mom.

Part C) RANK Force

J= Fau St So without St CAN't RANK

Total Kinetic: Kinetic Always Positive

AND
$$Jx = Jpx = mV_{e,x} - mV_{i,x}$$

$$= m(V_{e,x} - V_{i,x})$$

1.7mls to left