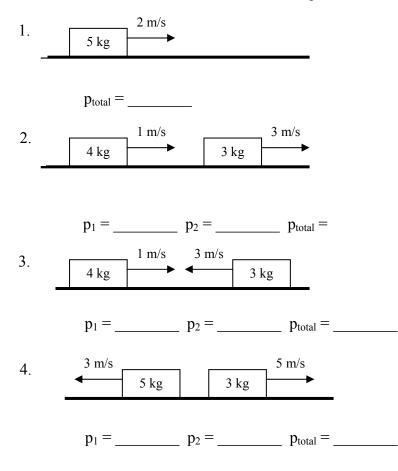
## W7.01

## **MOMENTUM**

Inelastic Collisions

For all problems, assume all surfaces are frictionless.

I. For #'s 1-4, calculate the momentum, p = mv, of each system and each individual object.



II. For the problems below, two boxes collide and stick together (an inelastic collision). The boxes before the collision are shown on the left; the boxes after the collision are shown on the right. Solve for the indicated unknown quantities.

