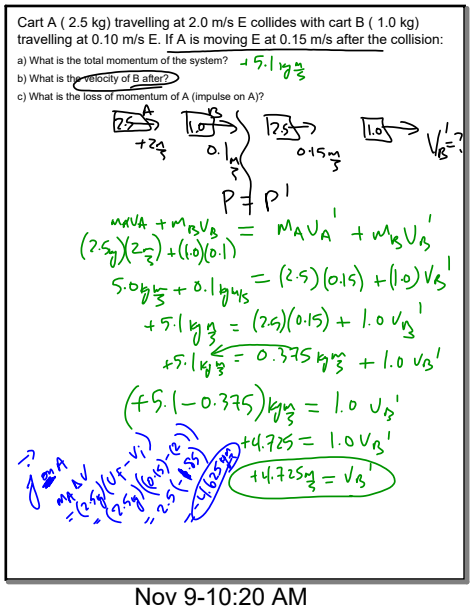
Cart A (2.5 kg) travelling at 2.0 m/s E collides with cart B (1.0 kg) travelling at 0.10 m/s E. If A is moving E at 0.15 m/s after the collision:
a) What is the total momentum of the system?
b) What is the velocity of B after?
c) What is the loss of momentum of A (impulse on A)?
P ≠ P'
+5.1 kg m/s
+4.725 = 1.0 v_B'
+4.725 m/s = v_B'

Nov 9-10:20 AM