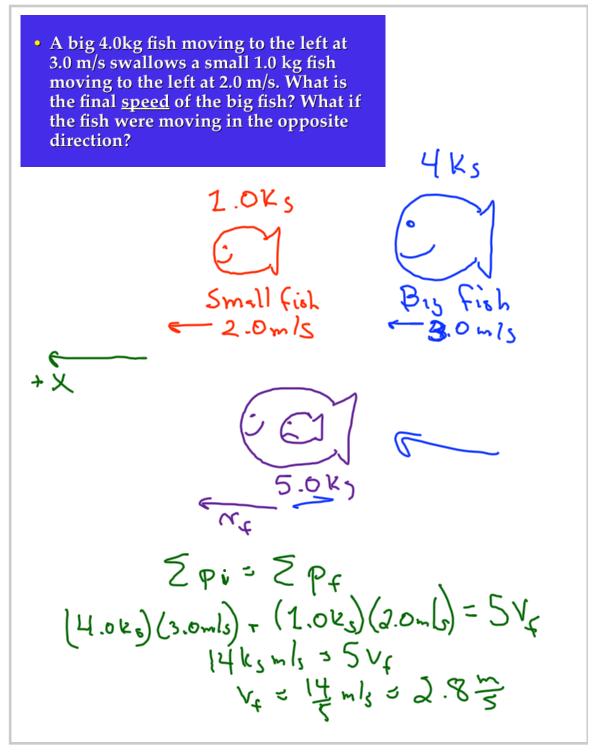
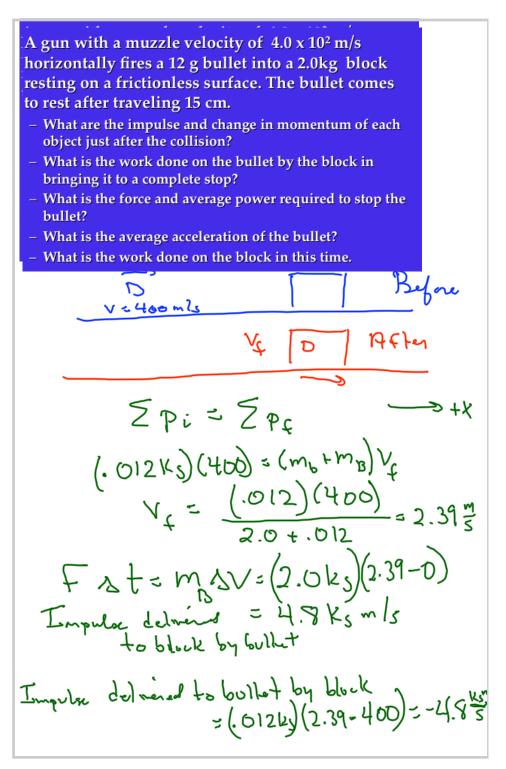
Reminders 10-13-10: -Exam 2 Ch 4-6 Mon. Oct. 18

**Objectives:** -Conservation of Momentum Examples



amly  $(4)(3) + (1)(-2) = 5V_{f}$  $10 K_{sm} ls = 5v_{f}$ V2 = 2. Dmls



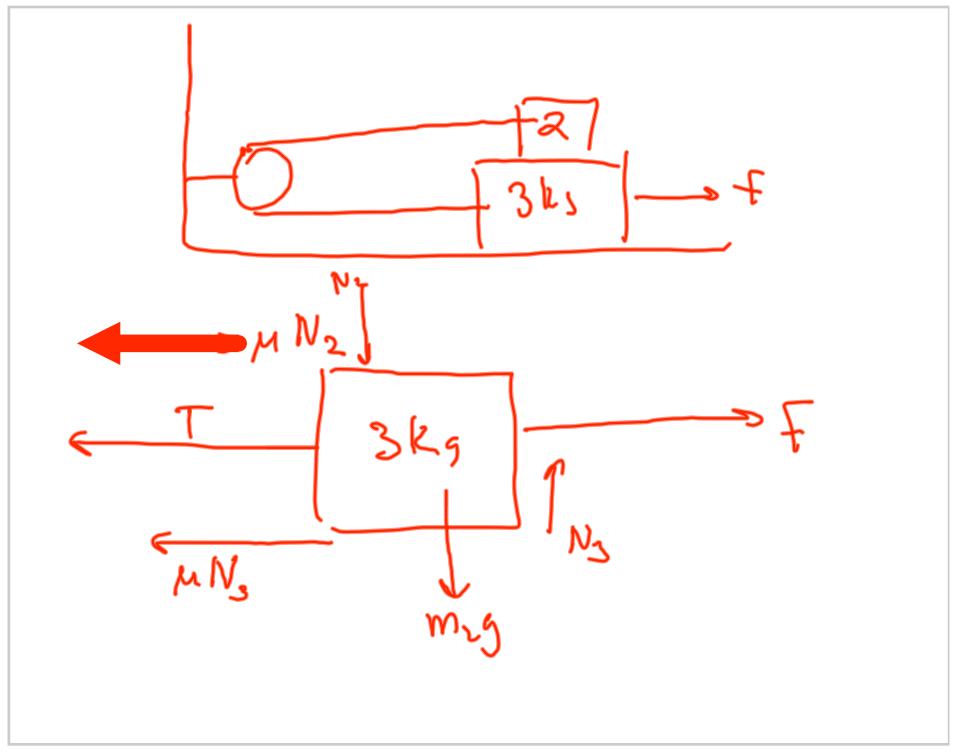
Title: Oct 8-3:53 PM (4 of 8)

Nnet = DKE  $= \frac{1}{2} (.012) (2.39) - (400) (1$ -9605  $F = \frac{9605}{0.15m} = 6400N$  $P_{avs} \leq \frac{W}{t} = F V_{avs} = (6400N) \left[ \frac{2.59+400}{2} \right]$  $= 1.3 \times 10^{6} W$ 

t = ma a-, 6400N - 53x10 m .012Kg 53x10 52  $W_{block} = \frac{1}{2}mv_{f}^{2} - \frac{1}{2}mv_{l}^{2}$ =  $\frac{1}{2}(2.02)(2.37)^{2}$ = 5 11

$$V = \frac{1}{2} \cdot \frac{1}{2} \cdot$$

Title: Oct 8-3:53 PM (7 of 8)



Title: Oct 17-1:49 PM (8 of 8)