Monday, April 14/14 Physics 112

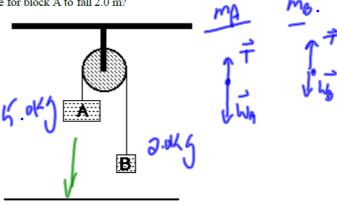
Midterm -> Wed., April 23/14

- 1. Lab Atwood's Machine -> Due: Today, April 14/14
- 2. Bell Work Atwood's Machine
- 3. Worksheet: Two-Body Problems -> Atwood's Machine Fletcher's Trolley
- 4. Newton's Third Law of Motion
- 5. Momentum
- 6. Impulse

Bell Work - Monday, April 14/14 -> Atwood's Machine

Below is a picture of an Atwood's Machine: two masses attached to a frictionless, massless pulley (pretty neat how physicists dream up equipment like this, huh?). The mass of block A is 5.0 kg, and the mass of B is 2.0 kg.

a) What is the acceleration of the system when the blocks are released?



b)
$$\vec{J} = -2.0 \text{ m}$$
 $\vec{a} = \frac{1}{2} \cdot \frac{1}$

Physics 112 - Midterm Topics

Format: Problems

- -> Find **R** Analytically
- -> Velocity-Time Graph
- -> Freely-Falling Body Problem
- -> Chapter 4 Force Problem
- -> Chapter 5 Force Problem
- -> L2 Atwood's Machine L1 - Fletcher's Trolley
- -> Impulse-Momentum Theorem