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1. Investigation: Atwood's Machine

3 Days Late Today (N13)

2. Textbook: Page 197, #29 (C15)  
Textbook: Page 200, #30-32 (C5)  
Textbook: Page 203, PP #33-34  
Textbook: Page 208, #37-45

4. Multiple Choice: Momentum and Impulse

5. ICA - C4, 5 and 10 -> Friday, Nov. 15/13

6. Review Sheets - Midterm Prep

7. Midterm Outline - See Next Page

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## Physics 112/111 - Midterm Outline

- > ~~Resultant~~
- > Velocity-Time Graph ✓
- > Kinematic Problems Including Freely Falling Bodies ✓
- > Force Problem C4 ✓
- > Force Problem C5 ✓ involve a kinematic formula.
- > Force Problem C10. ✓ involve a kinematic formula.
- > Momentum, Impulse, Momentum-Impulse Theorem ✓

FBDs

$$\vec{p} = m\vec{v}, \quad \vec{v} = \vec{F}t, \quad \vec{F}t = \Delta\vec{p}$$
$$\vec{J} = \vec{F}t = \boxed{\Delta\vec{p}} = \vec{p}_f - \vec{p}_i = m\vec{v}_f - m\vec{v}_i = m\boxed{\Delta\vec{v}}$$

\* Formula sheet will be provided.

\* Format: Problems only (6)

## Attachments

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Student ID re-takes 2013.doc