

Midterm: Date - Friday - April 12

Course Selection - Tomorrow

1. Midterm Format
2. Questions re Midterm?
3. Atwood's Machine
4. Lab Format
5. Textbook: Page 485, #19-21 (C10)
6. Investigation: Atwood's Machine

Midterm Format

⇒ 6 Problems

1. Find \vec{R} analytically. ↙
 sketch → 2
 \vec{R} → 2 } → (4)
 (1-8)

2. V-t Graph
 → See ICA }

3. Kinematics → free fall

4. (4 - Force Problem


Law #1
 rest ↙ uniform motion ↘
 → list variables → SD + units
 → FBD → WS
 → formulas [Wing PF = mN]

5. (5 - Force Problem

\vec{F}_{net} + kinematic equation(s)

6. (5 - Force Problem speed up

$\vec{F}_{net} = m\vec{a}$
 $+ F_A - F_f = m(+a)$



Law #2
[Wing PF = mN]

$\frac{60 \text{ min}}{60} = 1$ 10 minutes

21 10 11 11