

Tuesday, April 9/13
Physics 112/111

Midterm: Date - Friday - April 12

1. Midterm Format
2. Quiz - C4 Problems
Some Still Need to Write
3. Worksheet: More Problems C4 and C5 *+ Review Problems.*
4. Two Object Problems

Midterm Format

⇒ 6 Problems

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

2. v-t Graph
 → See ICA]

3. Kinematics → free fall.]

4. C4 - Force Problem

Law #1 } rest } uniform motion.
 → list variables → SD + units
 → FBD → WS [W/mg P/normal]
 → formulas

5. C5 - Force Problem

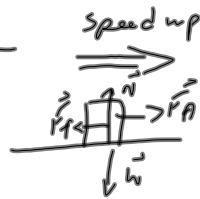
Fnet + kinematic equation(s)

Law #2 }
 = }
 6. }
 W/mg }
 P/F = mN }

C5 - Force Problem

$$F_{net} = m\vec{a}$$

$$+ F_A - F_f = m(+a)$$



$\frac{6 \text{ min}}{6} \Rightarrow 10 \text{ minutes}$

* Formula sheet provided.