

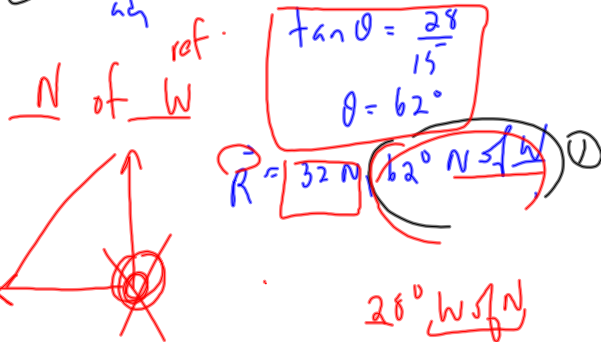
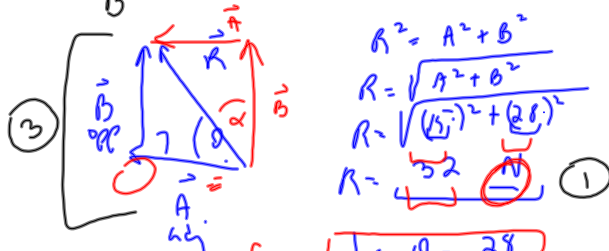
Friday, November 14/14
Physics 112/111

Midterm - Monday, Nov. 17/14

1. Return Rewrite - > C4 + C5
2. Questions re Midterm?
3. Textbook: Page 197, #29 (C5)
Textbook: Page 200, #30-32 (C5)
4. Impulse-Momentum Theorem
5. Textbook: Page 203, PP #33-34
Textbook: Page 208, #37-45
6. Egg Demo - Tuesday (Weather Permitting)

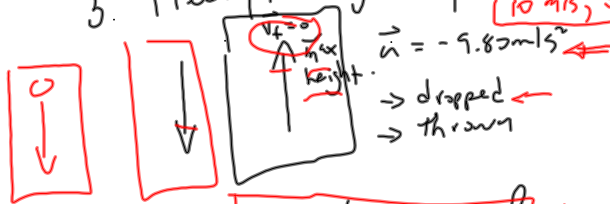
Midterm - Topics \vec{R} analytically / min / prob.

$\vec{A} = 15 \text{ N, west}$
 $\vec{B} = 28 \text{ N, north.}$] forces.

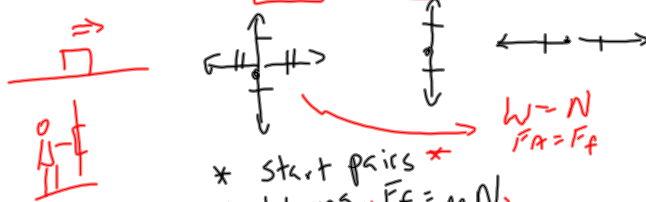


2. Vel-Time Graph. $\leftarrow \frac{2SD}{4 \text{ m/s}}$

3. Freely Falling Body $\left[\vec{a} = -10 \text{ m/s}^2 \right]$
 $10 \text{ m/s}^2 \text{ S}$

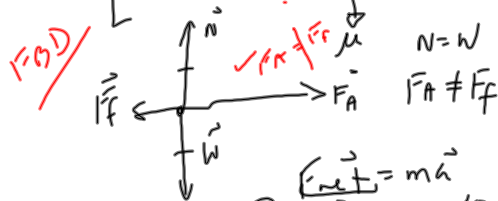


4. C4. Rest / Const. vel. $\vec{a} = 0 \text{ m/s}^2$



* Start pairs *
 $W = mg$, $F_f = mN$

5. + b $\left[\vec{F} = m\vec{a} \right]$
 + Kinematic eq.
 $F_{net} = m\vec{a}$
 F_A, F_f, W, N



$F_{net} = m\vec{a}$
 $(+F_A) - (F_f) = m(+a)$
 $F_A - m\mu N = ma$
 $F_A - m\mu mg = ma$