

Monday, May 27/13
Physics 112/111

1. Rewrite: Quiz C6
ICA: Power, Efficiency and Energy Conservation
- Will be returned later this week.
 2. Exam Outline: Topics - C2 and C3
 3. Types of Waves
 4. Measures of a Wave
 5. Worksheet - Wave Equation and More - **P2 HW**
 6. Wave Behaviours
-

Final Exam Format: MC 30-35
+
Prob. 5-10

Exam: Outline - Chapter 2 and Chapter 3

1. physics *mc*.
2. kinematics/dynamics *mc*
3. frames of reference: fixed/moving *mc*
4. scalar quantity - magnitude only *mc*
5. conventional directions *prob.*
6. vector quantity - magnitude and direction *mc*
7. examples of scalar and vector quantities *mc*
8. ~~graphical addition~~ of vectors: tip-to-tail/parallelogram method *mc*
9. ~~analytical addition~~ of vectors
10. Level 1 - subtracting vectors
- perpendicular components } *mc*
11. vocabulary: distance, position, displacement, time, *mc*
speed, velocity, acceleration, etc.
12. symbols and units of physical quantities *mc*
13. types of motion: uniform/uniformly accelerated *mc*
14. ~~position-time~~ graphs
15. velocity-time graphs *mc* *slope \rightarrow acc.*
area \Rightarrow displ.
16. relationship between directions of velocity and acceleration
 $\uparrow \left. \begin{array}{l} \vec{v} +ve \\ \vec{a} -ve \end{array} \right\} \begin{array}{l} \text{slows} \\ \text{down.} \end{array}$ $\downarrow \left. \begin{array}{l} \vec{v} -ve \\ \vec{a} -ve \end{array} \right\} \begin{array}{l} \text{speeds} \\ \text{up.} \end{array}$
17. checklist for word problems *prob.*
18. motion equations ~~including derivations~~ *prob.*
19. acceleration due to gravity *prob.*
20. freely falling bodies *prob.*

Problems: kinematic equations
& freely falling body.

no 2 prob