

Thursday, March 14/13
Physics 112/111

Level 1 - Perpendicular Components - Worksheet

1. Test Unit #1

Test Date - Friday, March 15/13

2. Questions re: Unit #1 Test

3. Start: Unit #2 - Dynamics



Test - Unit #1 - Outline

1. physics
 2. kinematics/dynamics
 3. frames of reference: fixed/moving
 4. scalar quantity - magnitude only
 5. conventional directions
 6. vector quantity - magnitude and direction
 7. examples of scalar and vector quantities
 8. graphical addition of vectors: tip-to-tail/parallelogram methods
 9. analytical addition of vectors
 10. Level 1 - subtracting vectors
- perpendicular components
 11. vocabulary: distance, position, displacement, time,
speed, velocity, acceleration
 12. symbols and units of physical quantities
 13. types of motion: uniform/uniformly accelerated
 14. position-time graphs
 15. velocity-time graphs
 16. relationship between directions of velocity and acceleration
 17. checklist for word problems
 18. motion equations including derivations
 19. acceleration due to gravity
 20. freely falling body problems
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