

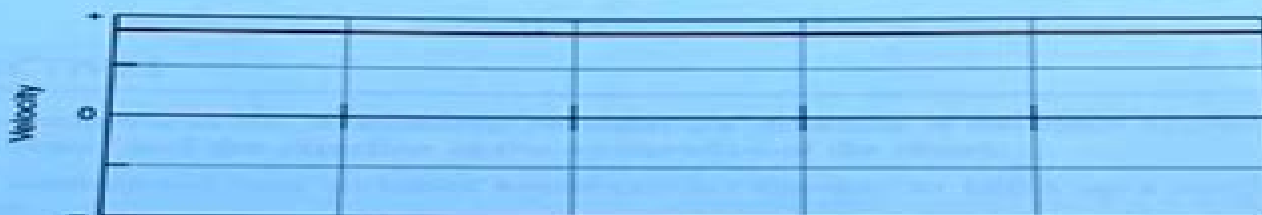
PRE-LAB PREPARATION SHEET FOR LAB 4: COMBINING FORCES

(Due at the beginning of Lab 4)

Directions:

Read over Lab 4 and then answer the following questions about the procedures.

1. A cart is moving toward the right and slowing down, as in Activity 1-1. Predict the direction of the combined (net) force on the cart.
2. In Activity 2-1, what are the spring scales used for?
3. Why are two fan units used in Activity 2-2?
4. Sketch your Prediction 3-2 on the axes below.



Lab 4 Physics Answers Combining Forces

CO Houle



Lab 4 Physics Answers Combining Forces:

RealTime Physics: Active Learning Laboratories, Module 1 David R. Sokoloff, Ronald K. Thornton, Priscilla W. Laws, 2011-11-15 The authors of RealTime Physics Active Learning Laboratories Module 1 Mechanics 3rd Edition David Sokoloff Priscilla Laws and Ron Thornton have been pioneers in the revolution of the physics industry In this edition they provide a set of labs that utilize modern lab technology to provide hands on information as well as an empirical look at several new key concepts They focus on the teaching learning issues in the lecture portion of the course as well as logistical lab issues such as space class size staffing and equipment maintenance Issues similar to those in the lecture have to with preparation and willingness to study RealTime Physics David R. Sokoloff, Ronald K. Thornton, Priscilla W. Laws, 1999 This computer based lab manual contains experiments in mechanics thermodynamics E M and optics using hardware and software designed to enhance readers understanding of calculus based physics concepts It uses an active learning cycle including concept overviews hypothesis testing prediction making and investigations *Prentice Hall Physical Science Concepts in Action Program Planner National Chemistry Physics Earth Science* ,2003-11 Prentice Hall Physical Science Concepts in Action helps students make the important connection between the science they read and what they experience every day Relevant content lively explorations and a wealth of hands on activities take students understanding of science beyond the page and into the world around them Now includes even more technology tools and activities to support differentiated instruction Publications of the National Institute of Standards and Technology ... Catalog National Institute of Standards and Technology (U.S.),1991 *Publications* United States. National Bureau of Standards,1991 **Energy Research Abstracts** ,1991 *Air Force Research Resumés* ,1963 **Louisiana Planter and Sugar Manufacturer** ,1924 **American School Board Journal** ,1902 *The American School Board Journal* William George Bruce, William Conrad Bruce,1901 **Physics for College Students** Ansel Alphonso Knowlton,1928 Chemical News and Journal of Industrial Science ,1870 *American Men of Science* ,1949 American Men and Women of Science ,1972 **Brown's Directory of American Gas Companies. Gas Statistics** ,1929 **Government Reports Announcements** ,1974-02-22 **Modern Sanitation and Building Maintenance** ,1957 American Laboratory ,2007 **General Catalogue Issue** Massachusetts Institute of Technology,1971 Stanford Bulletin ,2003

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