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| AP PHYSICS 1 DYNAMICS LAB DESIGN 1  Objective 1: Design a lab to prove that the acceleration for an object on a frictionless ramp and the ramp angle are related by  **a = g sin Θ**  Objective 2: Show that the acceleration of an object is not affected by its mass.   * Two graphs are required for this lab. * A sample calculation is required or objective 1. * Units must be in meters, kilograms, and seconds * Though it may be a little high, a percent error calculation is required. You must give reasons in your conclusion for the high percent error. * Choose “Can Edit” when submitting the Google Document.   **Be sure to follow the guidelines in the AP FORMAL LAB REPORT RUBRIC.** | AP PHYSICS 1 DYNAMICS LAB DESIGN 1  Objective 1: Design a lab to prove that the acceleration for an object on a frictionless ramp and the ramp angle are related by  **a = g sin Θ**  Objective 2: Show that the acceleration of an object is not affected by its mass.   * Two graphs are required for this lab. * A sample calculation is required or objective 1. * Units must be in meters, kilograms, and seconds * Though it may be a little high, a percent error calculation is required. You must give reasons in your conclusion for the high percent error. * Choose “Can Edit” when submitting the Google Document.   **Be sure to follow the guidelines in the AP FORMAL LAB REPORT RUBRIC.** |