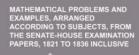# Mathematical Problems and Examples, Arranged According to Subjects, from the Senate-House Examination Papers, 1821 to 1836 Inclusive

By -

General Books LLC. Paperback. Book Condition: New. This item is printed on demand. Paperback. 84 pages. Dimensions: 9.7in. x 7.4in. x 0.2in.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1836 Excerpt: . . . SECTION XV. QUESTIONS IN PURE DYNAMICAL SCIENCE, NOT INCLUDING CENTRAL FORCES. 1. Find the law of force by which a body may describe a rectangular hyperbola, the force acting in parallel lines perpendicular to one of its asymptotes. 2. Two pendulums, the lengths of which are L and , begin to oscillate together, and are again coincident after n oscillations of the first pendulum. Given L to find I. 3. In what direction must a body be projected with a given velocity from a point in a given inclined plane, that the range may be the greatest possible 4. Two bodies are projected from two given points in given directions and with given velocities; find their distance at the end of t. 5. A rod is placed in an inclined position, with one end upon a perfectly smooth horizontal plane; find the equation of...

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