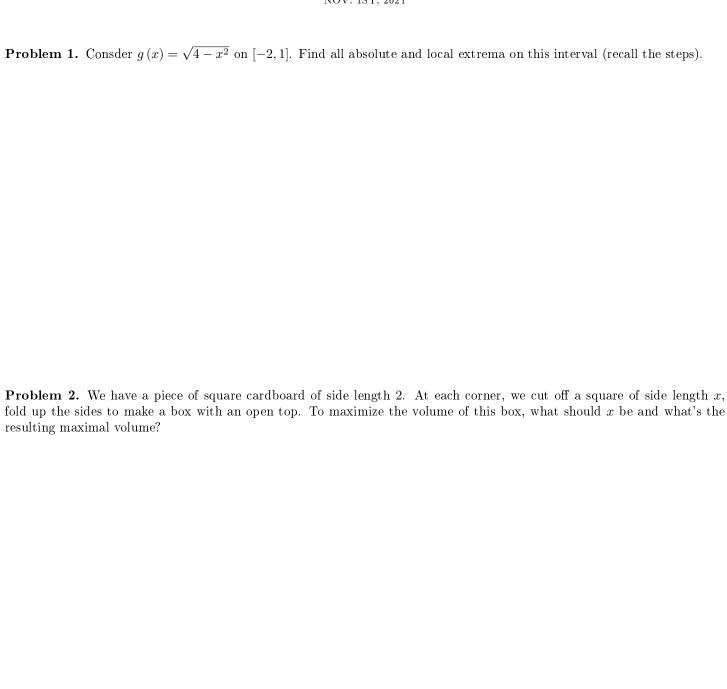
MATH 111-007 QUIZ 8

NOV. 1ST, 2021



Problem. (Bonus) The height of a body moving vertically (subject to free fall) is given by

$$s = -\frac{1}{2}gt^2 + v_0t + s_0, \quad g > 0$$

where v_0 and s_0 are the known initial velocity and position respectively. Find the body's maximum height (expressed in terms of the known constants v_0 , s_0 and g).