Question 1

In a hydraulic system, a 6kN force is exerted over a 50 cm stroke length at the input piston. A 950N force is measured at the output over the 300cm stroke length. Based on these measurements, what is the efficiency of the hydraulic system?



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$$\mathcal{J} = \frac{\mathcal{J}_{out}}{\mathcal{J}_{out}} \qquad \mathcal{J} = (E)(7)$$