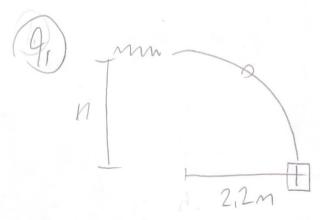
Carson Hicks Show work



 $\frac{\sqrt{52}}{\sqrt{0_1}} = \frac{D}{D_1} \rightarrow \sqrt{52} = \frac{D}{D_1} \sqrt{51}$ $\frac{1}{2} m \sqrt{5^2} = \frac{1}{2} k l^2$ $\sqrt{52} = \frac{1}{2} \sqrt{51} \sqrt{51}$ $\sqrt{$

 Carson Hicks

e:
$$1 - \frac{9c}{Qh} = 1 - \frac{Tc}{Th} = 1 - \frac{300}{500} = 1 - 16 = 140$$

$$\approx 40\%$$

