10. Another Way to deal with this: Given de =-2. Find dA | = d(lw) = de | w + dw | 0 - (x) Since 27W=100, So, as l=6, W=8 ( need dw as l=6) Furthermore, do d'to" êtw=100", we obtain. 21 dt +2W dt =0. as l=6, W=1,  $2.6, (-2) + 2.8, \frac{dW}{dt} = 0 \Rightarrow \frac{dW}{dt} = \frac{24}{11} = \frac{3}{3}$ put those informations back to (x) we get at 1=6 = at 1=6.8 + aw 1=6.6
W=8 W=8  $=(-2).8+\frac{3}{5}.6=-16+9=-7$