He 355 Hu2 computer 1 a)

A =
$$\int_{0}^{4} H(y) dy$$
 and $H(y) = -0.1 (y-5)^{2} + 3$, ye Co_{10}]

A = $\int_{0}^{10} (-0.1 (y-5)^{2} + 3) dy = \left(-\frac{0.1}{3} (y-5)^{3} + 3y\right)^{10}$

= $-\frac{0.1}{3} \cdot 5^{3} + 30 + \frac{0.1}{3} (-5)^{3} = 21$, $C(m^{2})$