(c) $P_{at} = \vec{F} \cdot \vec{v}$ $\quad \vec{v}(0) = A\hat{x} + B\hat{y} = 94\hat{x} + 97\hat{y}$

$\vec{v}(2) = 2B\hat{y} = 1,4\hat{y}$

$P(0) = 1,1\ 10^{-6} \times 97 = \underline{\underline{977 \times 10^{-6}\ W}}$

$P(2) = \underline{\underline{0\ W}}$

(d) $W = \Delta K \quad K = \frac{1}{2} m v^2$

$W = 10^{-6} \left(v^2(2) - v^2(0) \right)$

$W = 10^{-6} \left(1,4^2 - 0,4^2 - 0,7^2 \right)$

$W = 10^{-6} \left(1,96 - 0,16 - 0.49 \right) = \underline{\underline{1,31 \times 10^{-6} J}}$