$$W_{A-7B} = \int_{\Delta}^{B} \overline{F}_{2}e \, d\overline{s} = \int_{A\Delta}^{AB} -kx \, dx = -\frac{1}{2}kx^{2}\Big|_{X\Delta}^{AB} = -\frac{1}{2}kx^{2}\Big|_{X\Delta}^{AB}$$

$$=-\left(\frac{1}{2}\kappa x_{s}^{2}-\frac{1}{2}\kappa x_{s}^{2}\right)=-\Delta E_{p,e}$$

$$= \frac{1}{\sqrt{m} - mrossono} \frac{1}{\sqrt{x}}$$

$$= \sqrt{x} \times \sqrt{x}$$

$$= \sqrt{x}$$

$$0 = c$$

$$\chi^* : \int (\chi^*) = 0$$

$$F - kx = ma = m \frac{d^2x}{dt^2}$$

$$\Rightarrow \frac{d^2x}{dx^2} + \frac{x}{m}x = \frac{\pi}{m}$$

$$a = \frac{dx}{dt} = \frac{dx}{dx} = \frac{dx}{dx}$$

$$Q = \frac{dv}{dt} = \frac{dv}{dx} \frac{dx}{dt} = v \frac{dv}{dx}$$

$$\Rightarrow F - kx = ma = mv \frac{dv}{dx} \Rightarrow (F - kx) dx = (mv dv)$$

$$\begin{aligned} &= -\Delta E_{P,F} - \Delta E_{P,e} = & E_{P,e} = \frac{1}{2} k x^{2} \\ &= -\left(-Fx - \emptyset\right) - \left(\frac{1}{2} k x^{2} - \emptyset\right) = Fx - \frac{1}{2} k x^{2} \end{aligned}$$

$$\frac{1}{2}mN^2(x) = Fx - \frac{1}{2}kx^2$$

$$N(x) = \sqrt{\frac{x}{m}} (2F - kx)$$

$$N(x^*) = 0 \implies x^* = 0$$

$$x^* = \sqrt{2F}$$

$$x^* = \sqrt{k}$$

Fee
$$x = x^{k}$$
 $x = x^{k}$
 $x = x^{k}$
 $x = x^{k}$
 $x = x^{k}$

