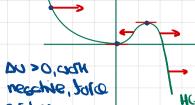
14.6 Spring Force Freigy Diegram



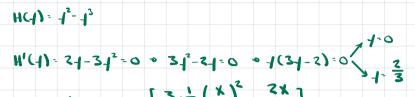
EX MI bay sur pay a bay bay a menz m







a)
$$H(x|x') = \frac{\alpha'}{\alpha(x)} = \left(\frac{x'}{x}\right)_z - \left(\frac{x'}{x}\right)_z$$



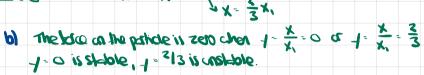
$$F(x) = u'(x) = -u \left[\frac{3}{3} \cdot \frac{1}{x'} \left(\frac{x}{x'} \right)^2 - \frac{2x}{x'^2} \right] = 0$$

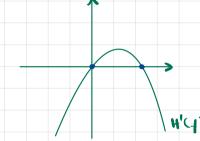
$$= 0 \quad \frac{3x^2}{x^2} - \frac{2x}{x^2} = \frac{3x^2 - 2xx}{x^2} = 0 \quad \Rightarrow \quad x(3x - 2x) = 0$$

$$= 0 \quad \frac{3x^2}{x^2} - \frac{2x}{x^2} = \frac{3x^2 - 2xx}{x^2} = 0$$

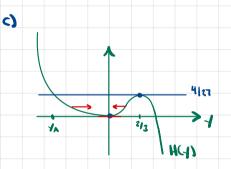
$$\frac{3x^{2}}{X_{1}^{3}} - \frac{2x}{2x^{2}} = \frac{3x^{2} - 2xx_{1}}{X_{1}^{3}} = 0 \Rightarrow x(3x - 2x_{1}) = 0$$

$$\frac{3x^{2}}{X_{1}^{2}} - \frac{x^{2}}{2x} = \frac{3x^{2} - 2xx_{1}}{X_{1}^{3}} = 0 \Rightarrow x(3x - 2x_{1}) = 0$$





of restored and in market and the state of the



$$\frac{U_{A}}{U_{1}} = H(J_{A}) = \frac{4}{21} = J^{2} - J^{3}$$

Believe 1 - - 3 and 1 = 3 he man has person maken

1) In the periodic motion, energy is contraved.

$$-1/4 = \frac{1}{1/4} = \frac{1}{1/4}$$