

Ex 13.2 p 393



$$m = .35 \text{ kg}$$

$$k = 130 \frac{\text{N}}{\text{m}}$$

$$v_i = 0 \quad x = .1 \text{ m} \quad F = ? \quad a = ?$$

a) $F = -kx$
 $= -130(.1) = -13 \text{ N}$

$$F = ma$$

$$a = \frac{F}{m} = \frac{-13 \text{ N}}{.35 \text{ kg}} = -37 \frac{\text{m}}{\text{s}^2}$$

b-d finish, do 1+4

$$F = -kx$$

$$F = ma \quad \begin{array}{l} \text{2nd law} \\ \text{Newton's} \end{array}$$

m, s, kg