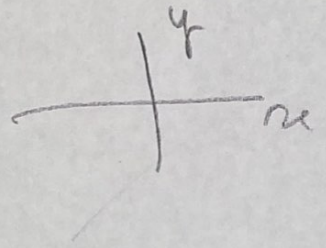


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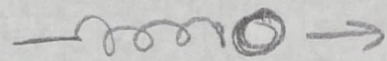
$$\Delta x_1 = 1.1 \text{ cm} \text{ or } \frac{1.1}{100} \text{ m}$$



$$\frac{1}{2} K (\Delta x)^2 = \frac{1}{2} m v_1^2$$

$$v_1 = \sqrt{\frac{K (\Delta x)^2}{m}}$$

In x direction:



$$v_1^2 - u^2 = 2 a s$$

$$\frac{K (\Delta x)^2}{m \times 2 \Delta} = a$$

m