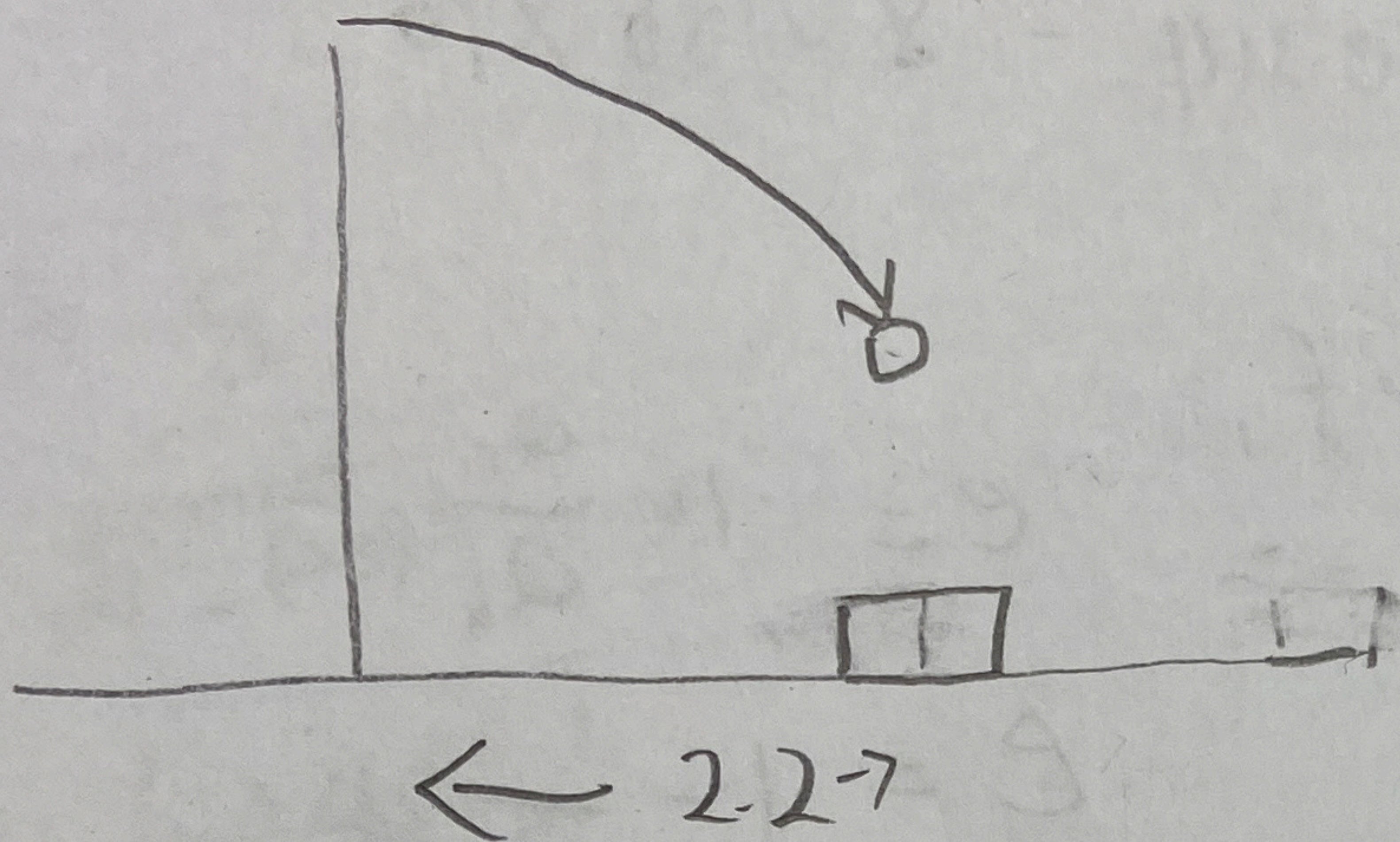


9.



$$27\text{cm} = 0.27\text{m}$$

the distance He hit = 193

$$F = -kx$$

$$F = -k \cdot l$$

$$\Delta x \neq$$

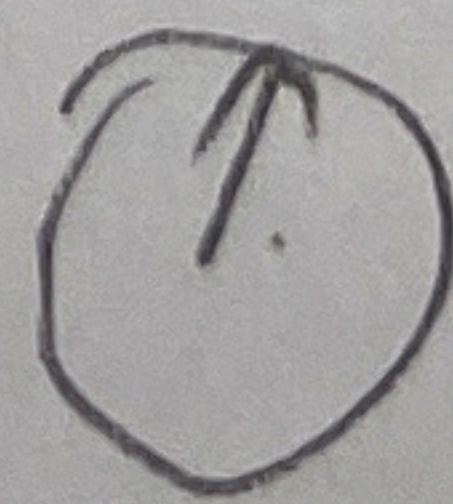
F

with W

$$KE_r = \frac{1}{4} \cdot 2 \cdot 0.2$$

$$= 29.468\text{ J}$$

$$R = 0.2$$



$$m = 2\text{ kg}$$

10.



$$m\alpha = Fr \cdot \sin\theta$$

$$b. KE_r = \frac{1}{2} I \cdot \omega^2$$

$$KE = \frac{1}{2} \cdot \frac{1}{2} MR^2$$