

$$E_p = m g h$$

$$20; \quad m (9.8 \text{ m/s}^2) 2 \text{ m}$$

$$\frac{20;}{19.6}$$

$$\frac{m \cdot 19.6}{19.6}$$

$$1.02 \text{ kg} = m \quad 19.6$$

$$E_k = \frac{1}{2} m v^2 \quad \sqrt{4} = 2^2$$

$$s_j = \frac{1}{2} \cdot k_s \cdot v^2$$

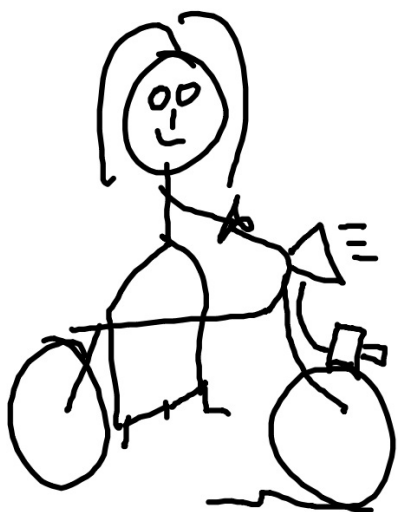
$$\frac{s_j}{\frac{1}{2}} = s \cdot v^2$$

$$k_s/k_s = v^2$$

$$\sqrt{k_s/k_s} = v$$

$$k_s/k_s = v$$

+



$$E = mc^2$$

$$E_p = mgh \quad E_k = \frac{1}{2}mv^2$$

$$4_j = (2\text{kg})(9.8\text{ m/s}^2)h \quad = \frac{1}{2}(2\text{kg})(2\text{ m/s})^2$$

$$\frac{4_j}{19.6\text{ kg m/s}} = h$$

$$E_k = 4_j = 1\text{kg} (2\text{ m/s})^2$$

$$\boxed{0.2\text{ m} = h}$$

$$E_p = mgh$$

$$\frac{2.25}{4.9} = \frac{(6.5)(9.8)h}{4.9}$$

$$0.459 = h$$

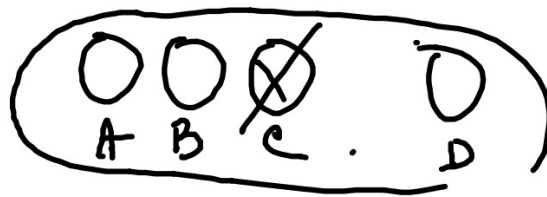
$$E_k = \frac{1}{2}mv^2$$

$$\frac{1}{2}(6.5)(3\text{m/s})^2$$

$$E_k = 2.25\text{J}$$

7)

TRIAL 1



Wk1
88

TRIAL 2



Wk
79°

TRIAL 3

