

①



Loss 10%

$$\sqrt{2gh} = \frac{v}{1000} \cdot \frac{1}{2} (1000)^2$$

$$E = 0.10 \left(\frac{1}{2} m v^2 \right)$$

$$mgh = 2.0 \left(\frac{1}{2} m v^2 \right)$$

$$\frac{E}{mgh} =$$

$$E = 5.0 \left(\frac{1}{2} m v^2 \right)$$

$$E = 0.10 \left(\frac{1}{2} m v^2 \right)$$

$$v = 1000 \cdot \frac{1}{2}$$

$$100 = 1000 \cdot \frac{1}{2}$$

$\sum F = 0$



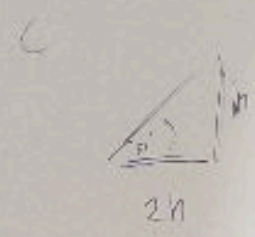
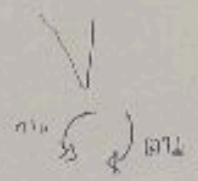
$$E_{pot} = 100$$

$$E_{kin} = 100 - 100 = 0$$

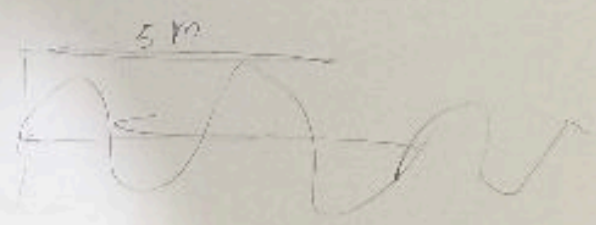
$$E_{pot} = 100$$

1000
1000

②



$$T = m g$$



$$T = 5 \text{ s}$$

$$v = \frac{5}{T}$$

$$v = \frac{5}{T}$$

$$v = \frac{5}{10}$$

$$v = \lambda f$$

$$v = 2$$

$$\frac{50}{10} \lambda = \frac{5}{10}$$

1

~~$$\Sigma F = m \dot{v}$$

$$F = (1000)/s$$~~

$$v = u + at$$

$$40 = 0 + a(3)$$

$$a = 13.3 \text{ m/s}^2$$

$$\Sigma F = m \dot{v}$$

$$\Sigma F = (10)(13.3)$$

$$\Sigma F = 133 \text{ N}$$

10

2

$$\Sigma F = m \dot{v}$$

$$\Sigma F = m \dot{v}$$

$1 = 60$

$2 = 120$

$3 = 120$

$4 = 60$

$5 = 0$

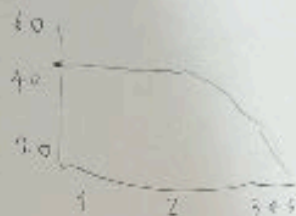
3

4

100

5

6



$$v = \frac{s}{s}$$

$$u = 0.0004$$

$$v = 0.0004$$

$$= \frac{s}{s}$$

30.78

$$60 + 120$$

100.

$$-0.0003$$

$$\frac{1}{2} (5 + 2) (60)$$

38.0

$$-0.0003 = \Gamma (0.0004)$$

600

4