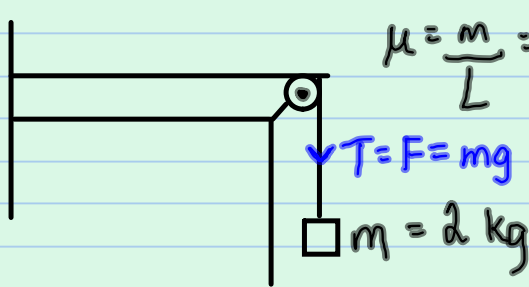


Ex. 13.12 p413



$$\mu = \frac{m}{L} = \frac{.3 \text{ kg}}{6 \text{ m}} = .05 \frac{\text{kg}}{\text{m}}$$

$$v = ? \sqrt{\frac{mg}{\mu}} = \sqrt{\frac{2(9.8)}{.05}} = 19.8 \frac{\text{m}}{\text{s}}$$

$$v = \sqrt{\frac{F}{\mu}}$$

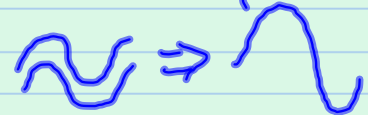
$$\mu = \frac{m}{L} \quad \frac{\text{kg}}{\text{m}}$$

T tension

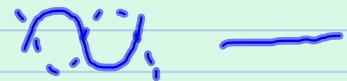
λ period

- superposition principle
result of waves combining

- constructive interference
combine in phase



- destructive interference



smaller or none