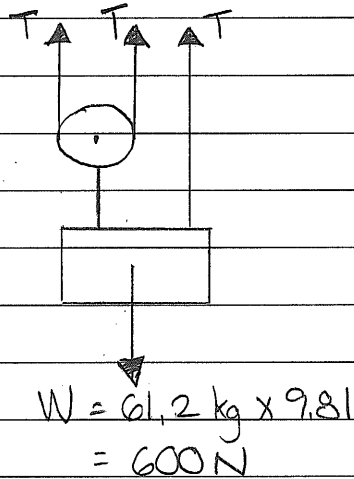


GNG 1505  
QUIZ # 1 - SOLUTIONS

b) Schéma du corps isolé:



La tension dans la corde est la même partout:  $T$

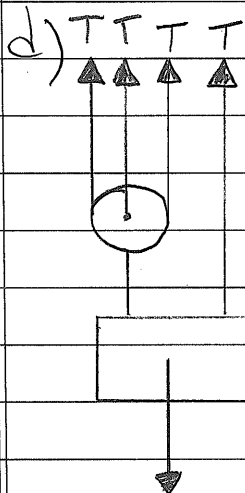
$$\sum F_y = 0$$

$$\Rightarrow T + T + T - W = 0$$

$$3T = W$$

$$T = W/3$$

$$\Rightarrow \underline{\underline{T = 200 \text{ N}}}$$



$$\sum F_y = 0$$

$$\Rightarrow T + T + T + T - W = 0$$

$$4T = W$$

$$T = W/4$$

$$\Rightarrow \underline{\underline{T = 150 \text{ N}}}$$