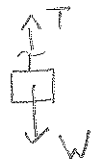


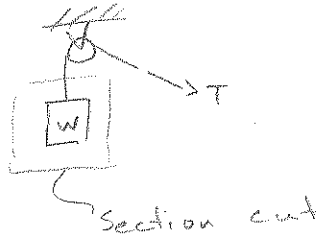
6.2.22

a)

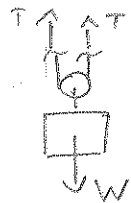


$$\sum F \cdot \hat{j} = T - W = 0$$

$$T = W$$

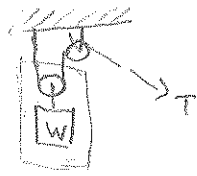


b)



$$\sum F \cdot \hat{j} = 2T - W = 0$$

$$T = W/2$$



c)



$$\sum F \cdot \hat{j} = 0 = T_1 - W$$

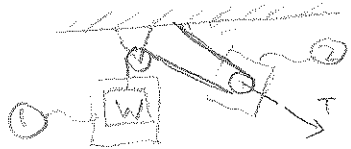
$$T_1 = W$$



$$\sum F \cdot \hat{x} = 0 = T - 2T_1$$

$$T = 2T_1 = 2W$$

$$T = 2W$$

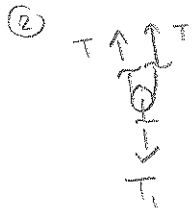


d)



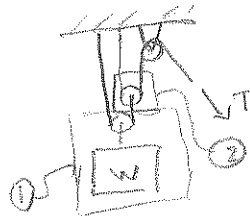
$$\sum F \cdot \hat{j} = 2T_1 - W = 0$$

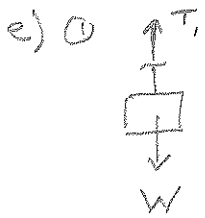
$$T_1 = W/2$$



$$\sum F \cdot \hat{j} = 0 = 2T - T_1 = 2T - W/2$$

$$T = W/4$$





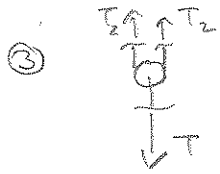
$$\sum F \cdot g = 0 = T_1 - W$$

$$T_1 = W$$



$$\sum F \cdot g = 0 = 2T_1 - T_2$$

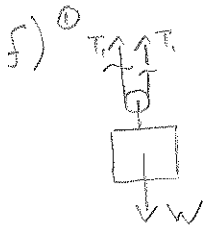
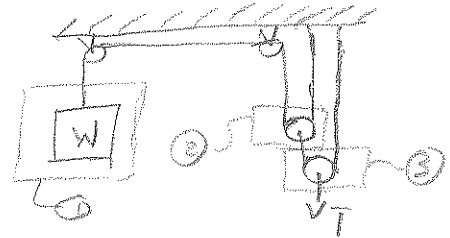
$$T_2 = 2T_1 = 2W$$



$$\sum F \cdot g = 0 = 2T_2 - T$$

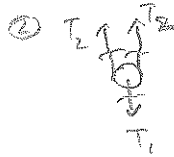
$$T = 2T_2 = 4W$$

$$T = 4W$$



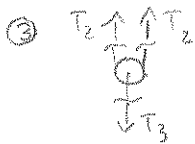
$$\sum F \cdot g = 0 = 2T_1 - W$$

$$T_1 = \frac{W}{2}$$



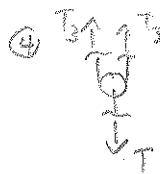
$$\sum F \cdot g = 0 = 2T_2 - T_1$$

$$T_2 = \frac{T_1}{2} = \frac{W}{4}$$



$$\sum F \cdot g = 0 = 2T_2 - T_3$$

$$T_3 = 2T_2 = \frac{W}{2}$$



$$\sum F \cdot g = 0 = 2T_3 - T$$

$$T = 2T_3 = W$$

$$T = W$$

