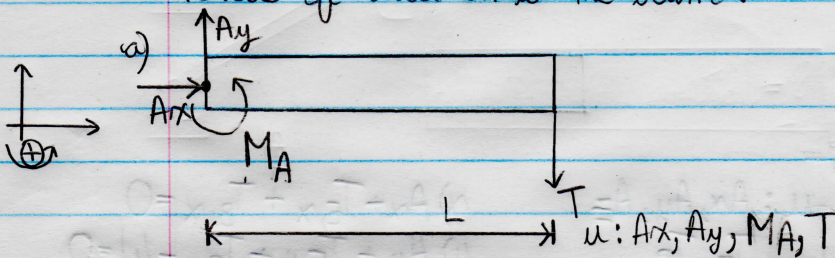


Wednesday, October 5<sup>th</sup>, 2016

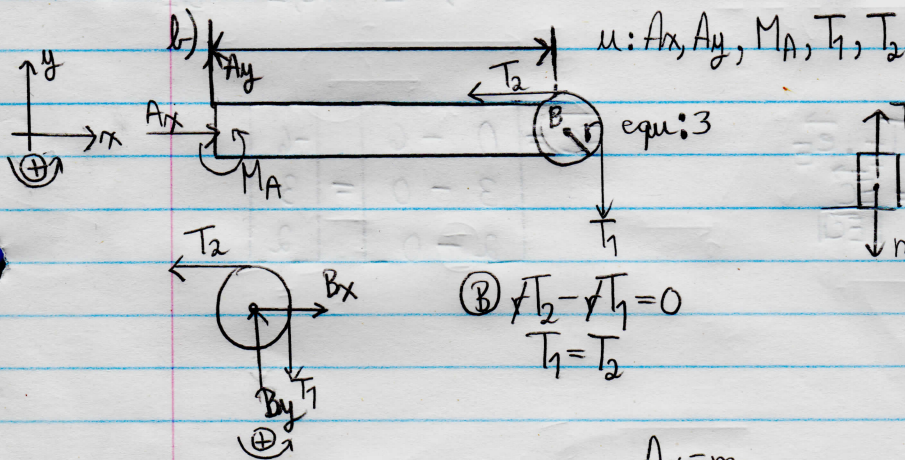
Forces of wall on to the beam?



$$A_x = 0$$

$$A_y = mg$$

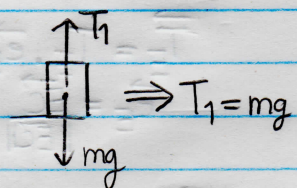
$$M_A = L \cdot mg$$



equ: 3

$$\textcircled{B} \quad T_2 \cdot r - T_1 \cdot r = 0$$

$$T_1 = T_2$$



$$A_x = mg$$

$$A_y = mg$$

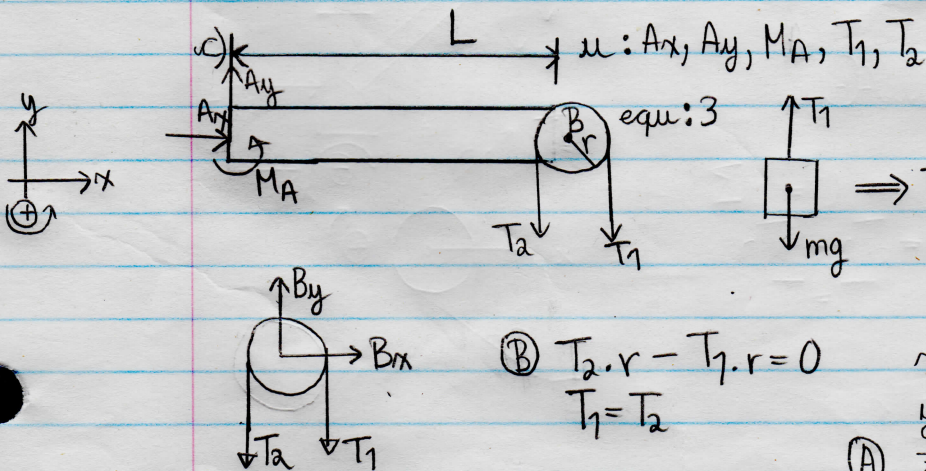
$$M_A = L \cdot mg$$

$$\textcircled{A} \quad x) \quad A_x - T_2 = 0$$

$$y) \quad A_y - T_1 = 0$$

$$z) \quad -T_1(L+r) + T_2 \cdot r + M_A = 0$$

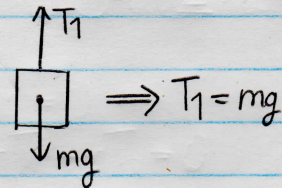
$$M_A = T_1 L = mg \cdot L$$



equ: 3

$$\textcircled{B} \quad T_2 \cdot r - T_1 \cdot r = 0$$

$$T_1 = T_2$$



$$\textcircled{A} \quad x) \quad A_x = 0$$

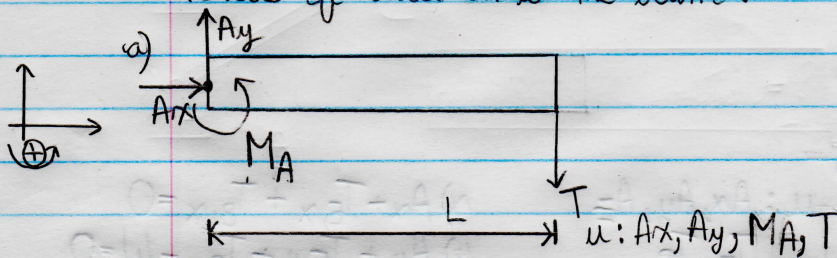
$$y) \quad A_y - T_1 - T_2 = 0$$

$$z) \quad M_A - T_2(L-r) - T_1(L+r) = 0$$

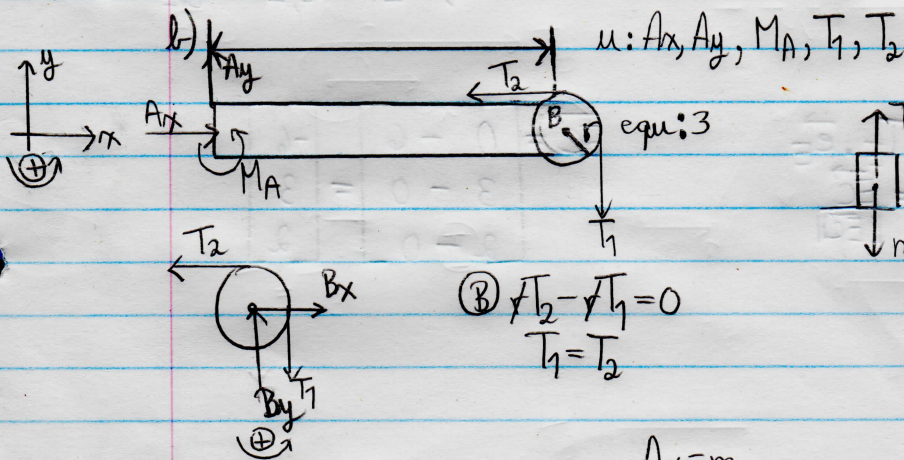
$$M_A = mg(L-r+L+r)$$

Wednesday, October 5<sup>th</sup>, 2016

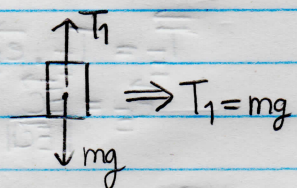
Forces of wall on to the beam?



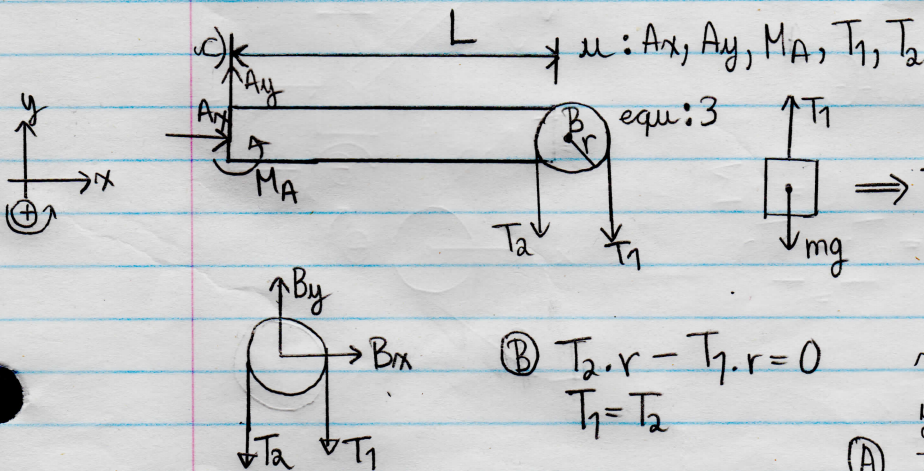
$$\begin{aligned} A_x &= 0 \\ A_y &= mg \\ M_A &= L \cdot mg \end{aligned}$$



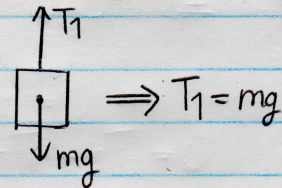
$$\textcircled{B} \begin{aligned} T_2 \cdot r - T_1 \cdot r &= 0 \\ T_1 &= T_2 \end{aligned}$$



$$\begin{aligned} A_x &= mg \\ A_y &= mg \\ M_A &= L \cdot mg \end{aligned} \quad \begin{aligned} x) \quad A_x - T_2 &= 0 \\ y) \quad A_y - T_1 &= 0 \\ \textcircled{A} \quad z) \quad -T_1(L+r) + T_2 \cdot r + M_A &= 0 \\ M_A &= T_1 L = mg \cdot L \end{aligned}$$



$$\textcircled{B} \begin{aligned} T_2 \cdot r - T_1 \cdot r &= 0 \\ T_1 &= T_2 \end{aligned}$$



$$\begin{aligned} x) \quad A_x &= 0 \\ y) \quad A_y - T_1 - T_2 &= 0 \\ \textcircled{A} \quad z) \quad M_A - T_2(L-r) - T_1(L+r) &= 0 \\ M_A &= mg(L-r+L+r) \end{aligned}$$