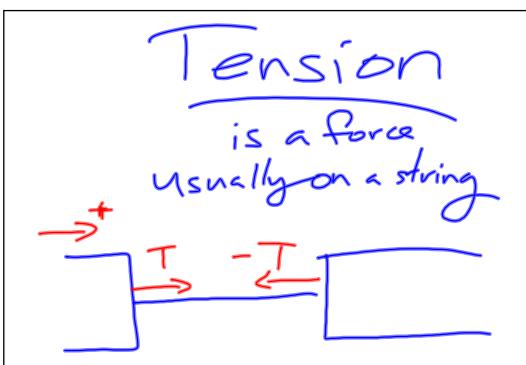


The acceleration of each object in a system is the same as the acceleration of the system

Can switch the bricks positions and it will not affect the acceleration of the system (or the individual bricks)



The tension on a string is the same everywhere on the string.

$$\frac{2}{2k_{0}} \frac{1}{\sqrt{1 + \frac{1}{2k_{0}}}} \frac{12N}{\sqrt{1 + \frac{1}$$

Problem 2



$$\alpha = \frac{-T_2 + F_1}{M_3}$$

