Tension

Tension force is a force that exists in a rope/chain/string/etc that is balanced within the medium.

Ex1: Given the following situation, find the acceleration and the tension force in the string.

Ex 2: Given that the force of tension is 85.7N and the coefficient of friction is 0.231, find the acceleration and missing mass in the following configuration.

Ex 3: Given that the force of tension is 68.7N and the coefficient of friction is 0.345, find the missing mass given that the hanging mass is half the other mass. (ans: 12.4kg)