

Biskra University
First-year sciences and technologies
Module: Physic 1

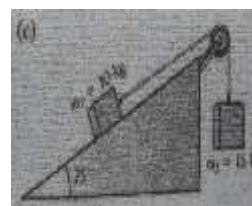
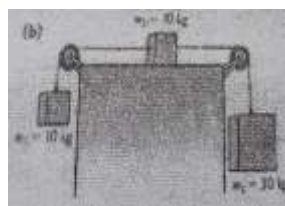
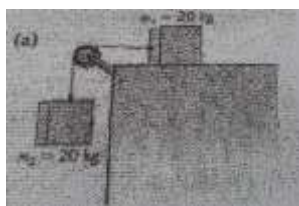
Tutorial 4

Exercise 1

For each situation below, determine the acceleration of the system and then tension in each rope when

a) friction is absent

b) $\mu_k = 0.20$



Exercise 2

a) Find the acceleration of the system and then tension in the rope (no friction).

b) If the acceleration is 1.5 m/s^2 , determine the coefficient of friction."

