

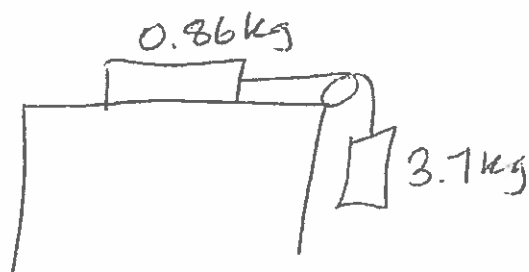
Physics 2204: Friction Worksheet # 5

- ① Calculate μ_k if a 25 kg object undergoes a frictional force of 55 N.
- ② A car engine applies a force of 2500 N. If the car's mass is 575 kg and there is a frictional force of 750 N, calculate \vec{a} .
- ③ a. Calculate \vec{a} of the system below if $\mu_k = 0.25$.



- b. Calculate tension in the string.

- ④ a. Calculate \vec{a} of the system below if $\mu_k = 0.36$



- b. Calculate tension in the string.