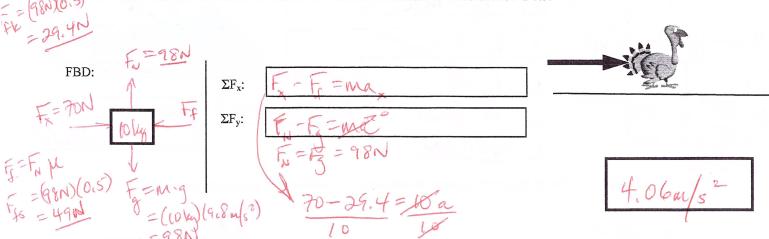
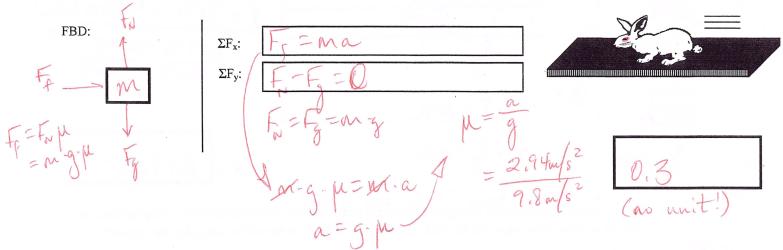
1. What is the acceleration of a 10.0-kg turkey if 70.0 N of force are applied to it horizontally? The turkey rests on a table where the coefficient of kinetic friction is 0.3 and the coefficient of static friction is 0.5.



2. The rabbit of death hits a patch of ice while chasing a victim. In coming to a stop his acceleration was 2.94 m/s². What was the coefficient of kinetic friction?



3. A flat bed truck with a crate of vampire gazelles on it is speeding carelessly along the highway at 50 m/s! The coefficient of static friction between the crate and truck bed is 0.1. What is the maximum acceleration of the truck in order to keep the crate from sliding and setting the bloodthirsty gazelles loose on an innocent public?

