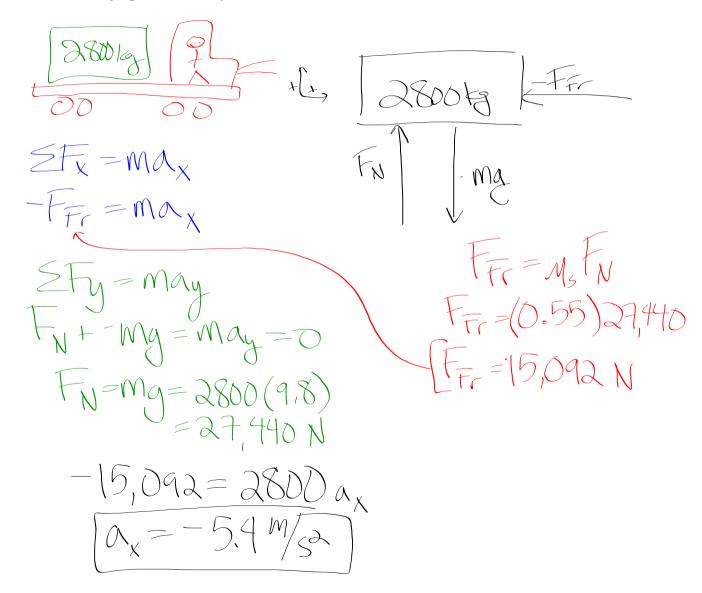
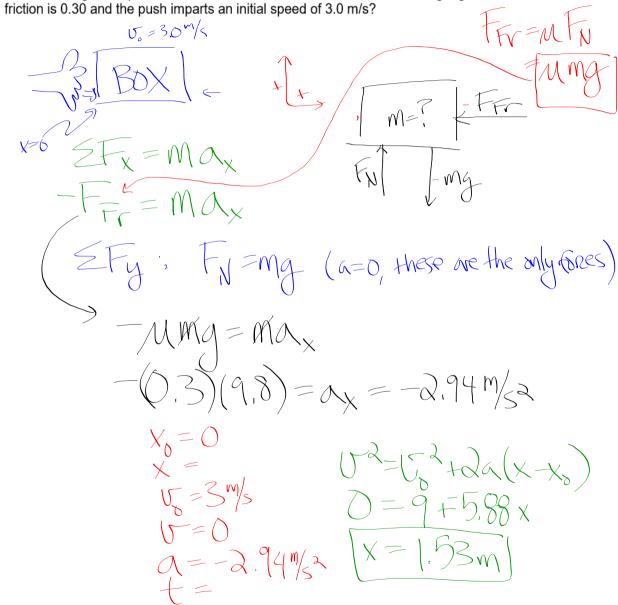
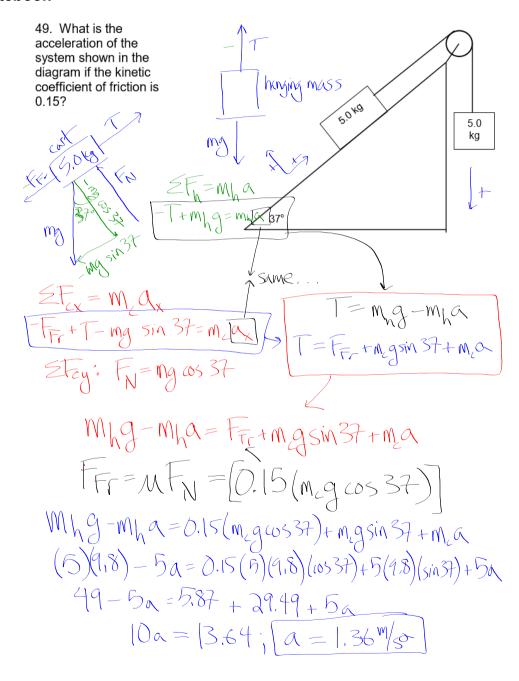
46. A flatbed truck is carrying a 2800-kg crate of bananas. If the coefficient of static friction between the crate and the bed of the truck is 0.55, what is the maximum rate the driver can decelerate when coming to a stop in order to avoid burying himself in squished bananas if the crate were to hit the cab?



31. A box is given a push so that it slides across the floor. How far will it go, given that the coefficient of kinetic





37. An 18.0-kg box is released on a 33.0° incline and accelerates down the incline at 0.300 m/s<sup>2</sup>. Find the friction force impeding its motion. How large is the coefficient of friction?

