-comments on Test
-new problem solving requirements

INTRO TO CHAPTER 6
-same tools, new Forces (friction, springs...)

-Newton's Nemesis: Friction

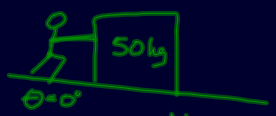
Apr 20-8:53 AM

PROB. SOLVING REQ'S

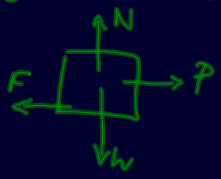
1. START W/ FBD
   - ONLY DRAW FORCES EXERTED ON THE OBJECT (NOT BY)
   - FORCES? - GRAVITY
     - WHAT'S TOUCHING
2. SUM THE FORCES IN X & Y (WRITE 2ND LAW FOR X & Y)
   $\Sigma F_x = ma_x$ $\Sigma F_y = ma_y$
3. CIRCLE ANSWER & DON'T FORGET UNITS

Oct 22-1:08 PM

FIRST ER W/ FRICTION!



FBD



NOT MOVING

$\Sigma F_x = ma_x$
$P - F = m \cdot 0$
$P - F = 0$
$P = F$

$\Sigma F_y = ma_y$
$N - W = m \cdot 0$
$N - W = 0$
$N = W$ $(W = mg)$

Oct 22-1:17 PM

FRICTION FORMULA

$F_f \leq \mu N$

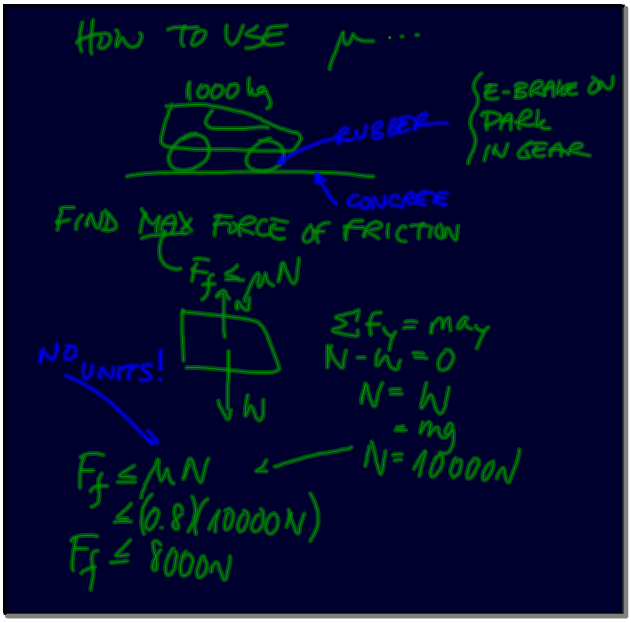
"MYOO" GREEK LETTER m
μ μ μ μ

DEPENDS ON SURFACES INVOLVED

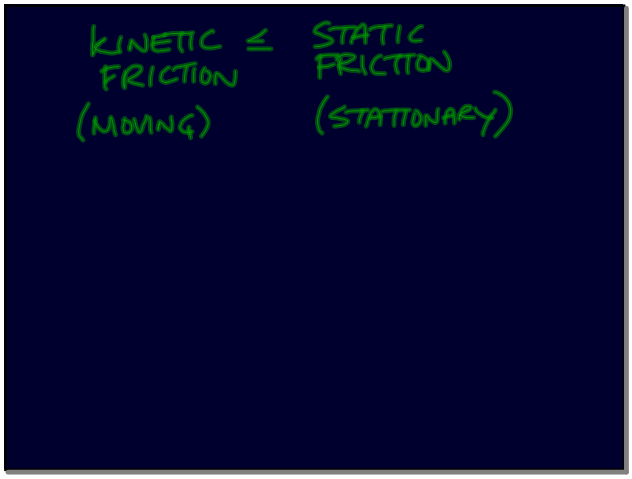
ER RUBBER ON CONCRETE
$\mu = 0.8$

TEFLON ON TEFLON
$\mu = 0.04$

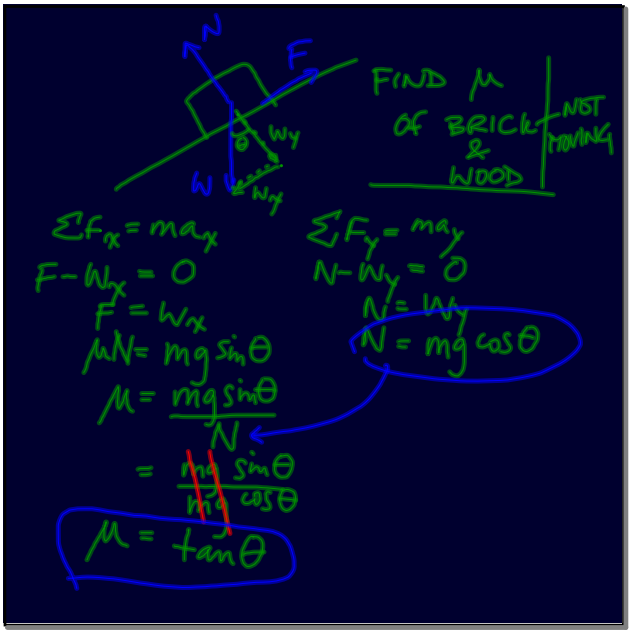
Oct 22-1:35 PM



Oct 22-1:42 PM



Oct 22-1:48 PM



Oct 22-1:51 PM