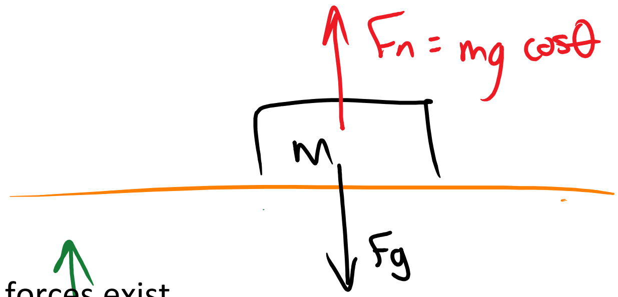
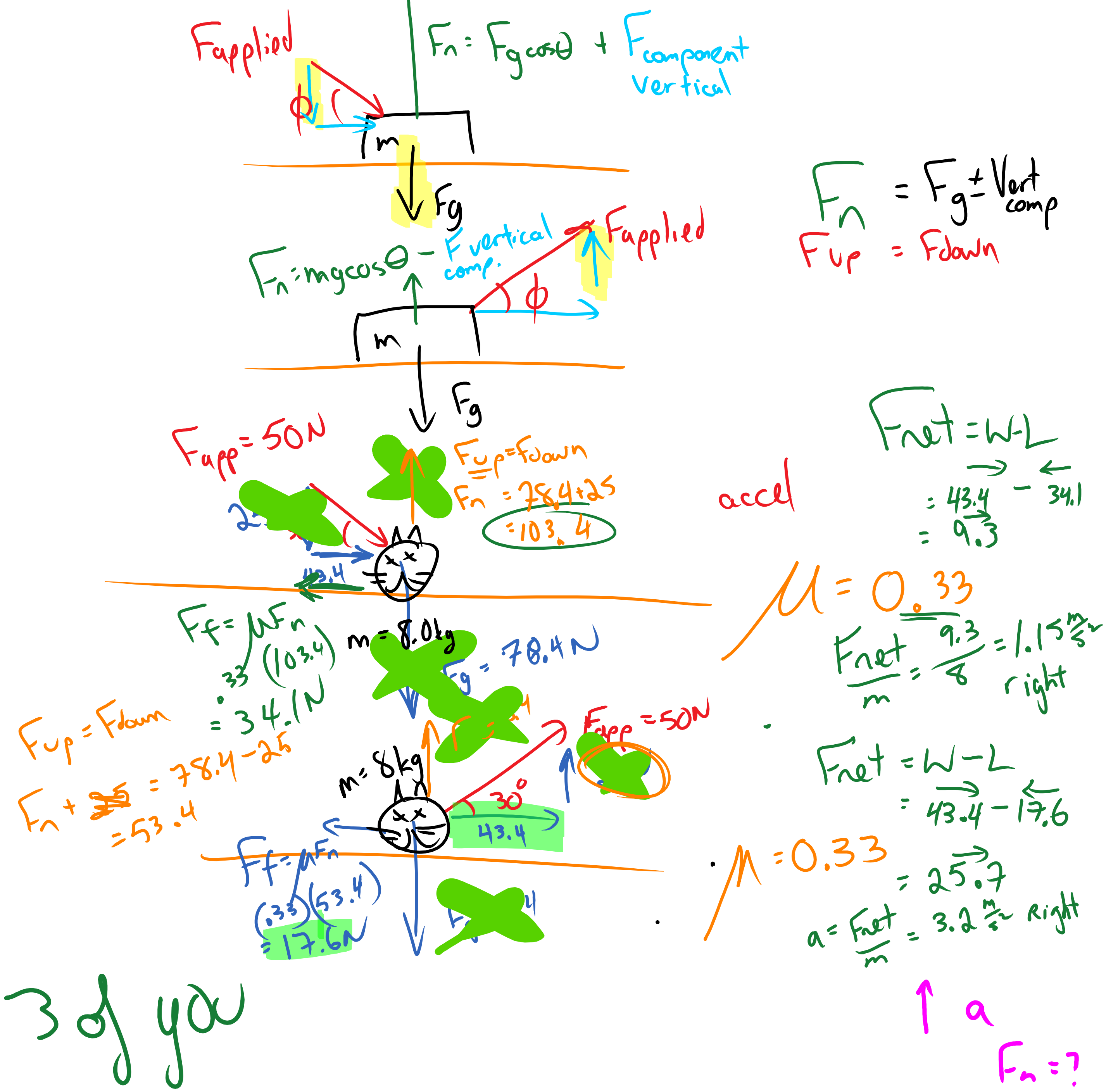
# The Abnormal Normal Force

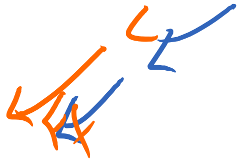
Wednesday, February 26, 2014 9:47 AM




Normally Fn = mg Cos θ

BUT not when additional vertical forces exist.





$F_{net} = F_{down} + F_f$

$ma = mg\sin\theta + \mu mg\cos\theta$

$V_f^2 = V_0^2 + 2ad$

$0 = 7.5^2 + 2(-)d$

$2ad = 7.5^2$