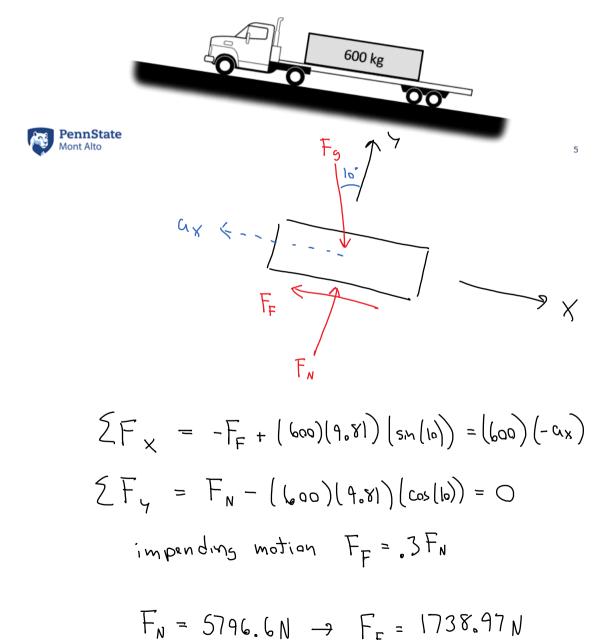
Force Method Two Dimensions (Practice Problem)

- A man in a flat bed truck starts from rest up a hill at an angle of 10 degrees. If he is carrying a 600 kg crate in the back and the static coefficient of friction is .3...
 - What is the maximum rate of acceleration before the crate slides off of the back of the truck?
 - How long will it take the truck to reach a speed of 25 m/s?



$$C_{x} = \frac{(1738.97) - (600)(9.81)(sm(10))}{600}$$

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