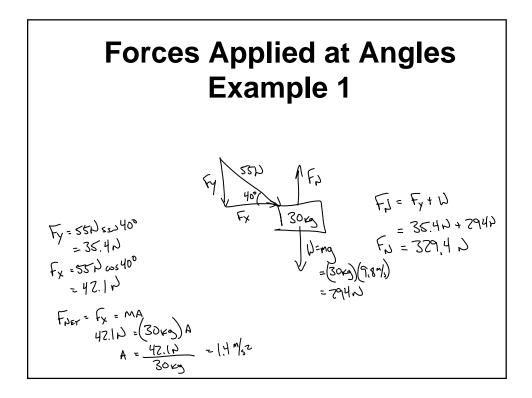


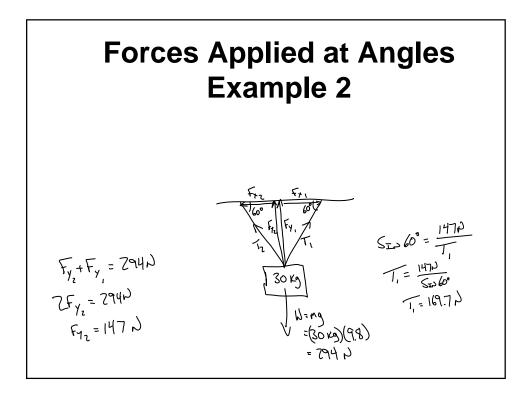
## Forces Applied at Angles Example 1

A 30 kg lawnmower is pushed with a force of 55 N. If the handle of the mower makes an angle of 40<sup>o</sup> to the horizontal, what is the acceleration of the lawn mower and the normal force that the ground is supplying to the mower?



## Forces Applied at Angles Example 2

• You hang a 30 kg sign from the ceiling using 2 cables. If each of the cables make a 60° angle with the ceiling, what is the tension in each cable?



## Return to Honors Physics Notes