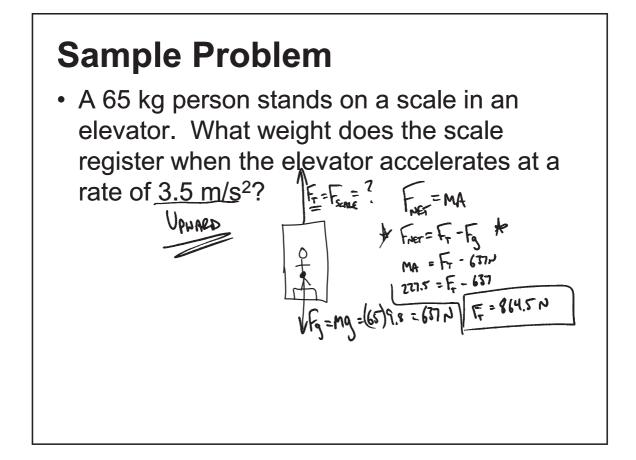
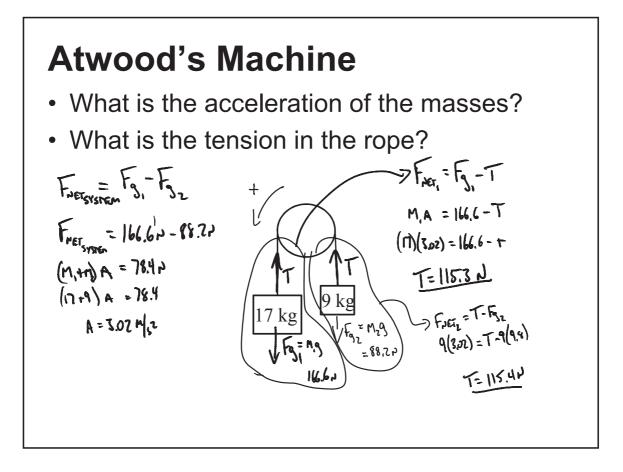
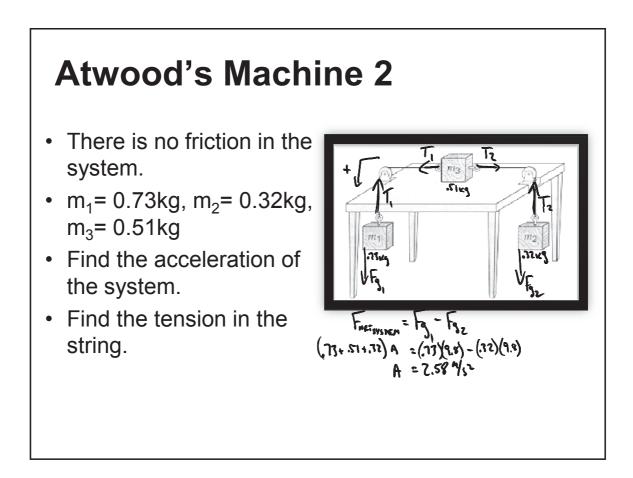
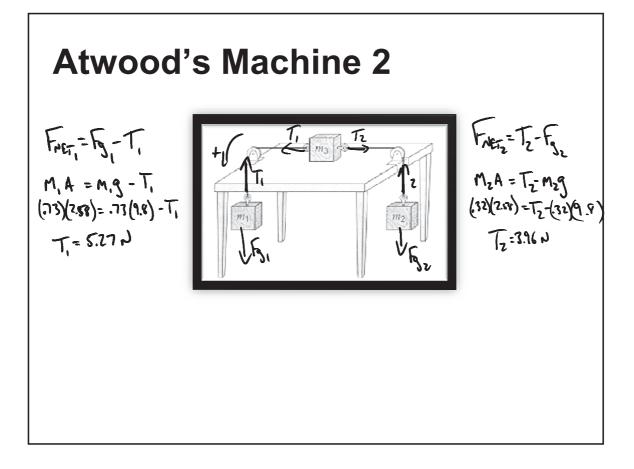
## DIAGRAMS

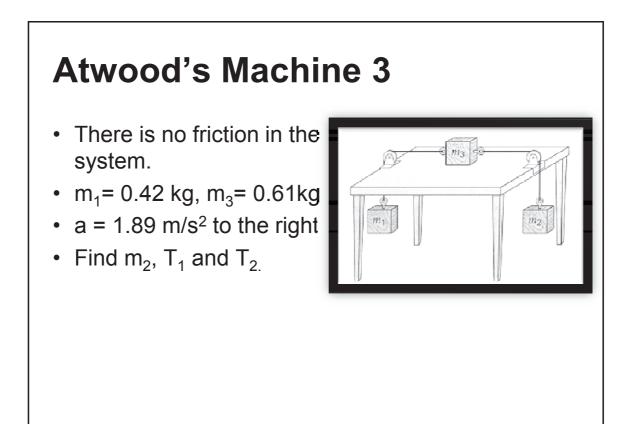
FORCE

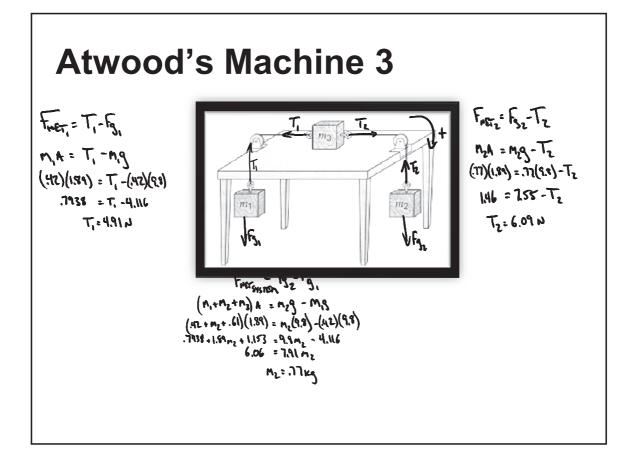


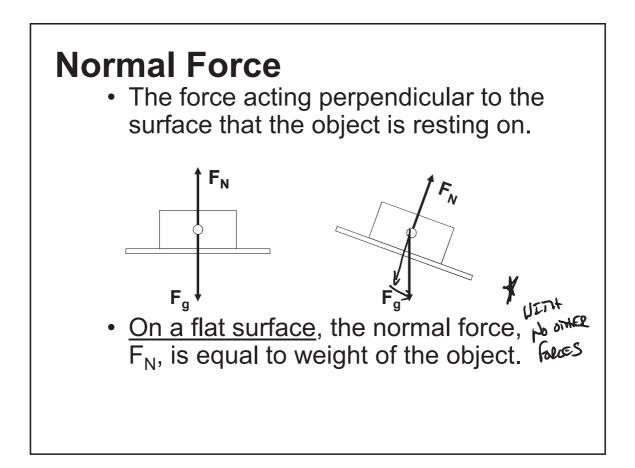


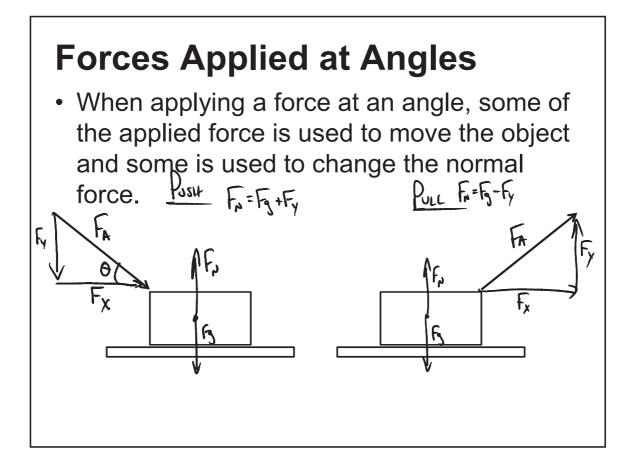


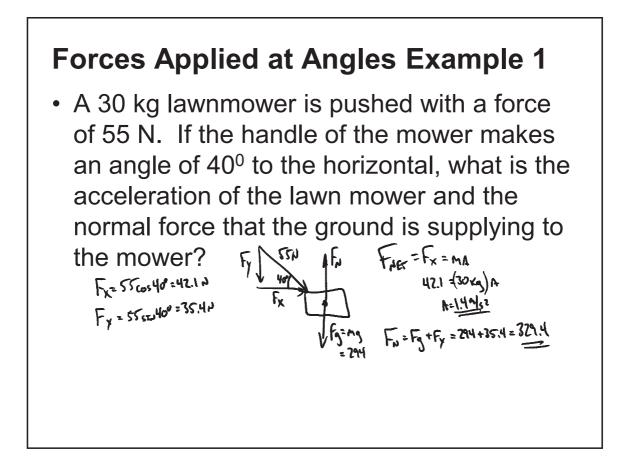












## **Forces Applied at Angles Example 1**

## **Forces Applied at Angles Example 2**

 A worker drags a 310 kg crate across a factory floor by pulling on a rope attached to the crate. The worker applies a 450 N force on the rope which is at a 38° to the horizontal. The floor exerts a horizontal force of 125 N that opposes the motion. Calculate the acceleration of the crate and the normal force supplied by the floor?

