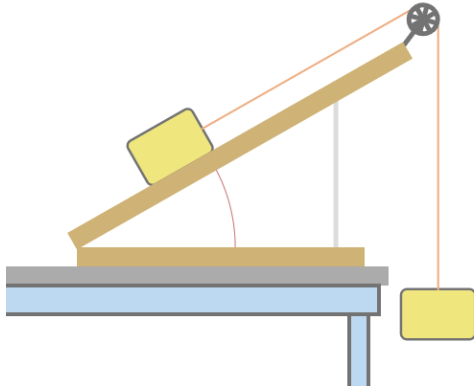
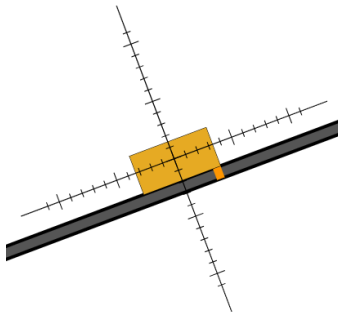


# Newton's Law System on Incline Problem

Step 1: Fill in all the important data for your blocks and incline. In the space to the right of the picture also find the force gravity on each of the blocks. Work neatly.



Step 2: In the space below, show how you get the part of the force gravity that is pulling the block on the incline down the incline. Show your work neatly below



Step 3: Show your calculation for finding the acceleration of the system. Make sure you make the acceleration negative if the block on the incline goes down the incline and positive if it slides up the incline. Explain how you know which way it will go.

Step 4: Show your calculation for finding the tension in the string holding the blocks together. Enter this into your program to verify you did everything correctly.