

Prelab 6

Consider a cart of mass \_\_\_\_ on an incline at the angle of \_\_\_\_\_ degrees. The cart is tied to the top of the incline. The tension in the string is \_\_\_\_\_. If the string is cut, the acceleration of the cart is \_\_\_\_\_.

(You name a number of the mass and an angle between  $5^\circ$  and  $40^\circ$ , and calculate the latter two blanks, please.)

