Sect.04 V1

Name:	
ID:	
Total Score (out of 10 pts):	

<sup>-4/10</sup> points for attending-

## Question 1 (6/10 points)

A box is sliding at a speed of  $v_0$  on a horizontal surface. Then it encounters a friction surface where the coefficient of friction increases linearly from 0.100 to 0.500 in a distance of d, and the box stops at d. Find  $v_0$  in terms of given quantities and g. Hint: Remember last week's quiz!

