Kinematics / Set 1 / Animation 3

Name _____   Class _____

<Show all work on calculations. Include proper units. Explanations require complete sentences.>

1) Calculate the average speed of the ball for the first 2.0 s .

2) What is the instantaneous speed of the ball at $t = 2.0$ s ?

3) Calculate the acceleration of the ball on the incline.

4) If the acceleration is constant, what will be the ball's speed at $t = 4.0$ s ?