

PHYSLETS ANSWER SHEET

Kinematics / Set 1 / Animation 5

Name _____

Class _____

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

1) Which animation shows the ball with a positive acceleration ?

2) Which animation shows the ball with a negative acceleration ?

3) Which animation shows the ball with the greatest instantaneous speed at t = 9.0 s? Calculate the instantaneous speed.

4) Which animation shows the ball with the greatest average speed over the 9.0 seconds ? Calculate the average speed.