## Kinematics / Set 1 / Animation 5

Name $\qquad$ Class $\qquad$
<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 $t=9.0 \mathrm{~s}$ ? Calculate the instantaneous speed.
4) Which animation shows the ball with the greatest average speed over the 9.0 seconds ? Calculate the average speed.
