



PHYSLETS ANSWER SHEET

KS2A3

Kinematics / Set 2 / Animation 3

Name _____ Class _____

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

- 1) Does V_x increase, decrease or decrease (pick one) as the ball rolls on the table ?

- 2) Does V_y increase, decrease or decrease (pick one) as the ball rolls on the table ?

- 3) Does the acceleration increase, decrease or decrease (pick one) as the ball rolls on the table ?

- 4) Does V_x increase, decrease or decrease (pick one) as the ball falls through the air ?

- 5) Does V_y increase, decrease or decrease (pick one) as the ball falls through the air ?

- 6) Does the acceleration increase, decrease or decrease (pick one) as the ball falls through the air ?

- 7) How does the instantaneous velocity compare in the air to that on the table ?