



PHYSLETS ANSWER SHEET

KS2A1

Kinematics / Set 2 / Animation 1

Name _____ Class _____

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

- 1) Does the x-component of the velocity increase, decrease or remain the same as the ball rises ?

- 2) Does the y-component of the velocity increase, decrease or remain the same as the ball rises ?

- 3) Does the instantaneous velocity increase, decrease or remain the same as the ball rises ?

- 4) Does the x-component of the velocity increase, decrease or remain the same as the ball falls ?

- 5) Does the y-component of the velocity increase, decrease or remain the same as the ball falls?

- 6) What is the instantaneous velocity of the ball at its highest point

- 7) How long does it take the ball to reach its highest point ?

- 8) How long is the ball in the air ?