



## PHYSLETS ANSWER SHEET

**FS2A3**

Forces / Set 2 / Animation 3

Name \_\_\_\_\_ Class \_\_\_\_\_

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

- 1) Find the initial and final position of the puck before the “push”, then use this information to find the displacement of the puck.
  
- 2) Calculate the average velocity of the puck before the “push”.
  
- 3) Calculate the momentum of the .50kg hockey puck.
  
- 4) Determine the angle of deflection of the puck from its original straight-line path.
  
- 5) Calculate the vertical component of the pucks’ momentum after the “push”.
  
- 6) How much time elapses during the “momentary push” applied to the puck.
  
- 7) Calculate the magnitude of the force behind the “momentary push”.