Physics 1   Name_____
Additional Kinematics Problems   Date__/__/__ Block:_____

<u>Do not lose this worksheet!</u>
1. A bobsled has a constant acceleration of 2.0 m/sec^2 starting from rest.
   (a) How fast is it going at 5.0 seconds? (10 m/s)

   (b) How far has it traveled in 5.0 seconds? (25 m)

   (c) What is its average velocity in the first 5.0 seconds? (5 m/s)

   (d) How far has it traveled by the time its velocity has reached 40 m/sec? (400 m)

2. A student stood atop our bleachers (7.3 m above the ground) during our Homecoming
   football game. While jumping around after one of Fraser's numerous touchdowns, she
   dropped her box of popcorn. How long did it take to hit the ground? (1.22 s)