Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Physics Average Velocity Worksheet A

Show all of your work for the following problems. No work=No credit (even if the answer is correct)

1. A family has 4 hours to complete a 240 mile trip. How fast must they travel in order to complete the trip on time?
2. A plane travels 1250 km in 3 hours. What is its average velocity?
3. Your average velocity to the store was 35 mph. The store is 25 miles away. How long does it take you to get to the store?
4. How far will you travel in 3.5 hours if you average 90 km/hr?
5. If you ride your motorcycle 490 km in 7 hours, what is your average velocity?
6. In the 1988 Summer Olympics, Florence Griffith Joyner set the then women’s world record in the 100 meter dash. She completed the race in 10.48 seconds. What was her average velocity?
7. How far will you travel if you walk for 100 minutes at an average velocity of 4 mph?
8. If you are planning to complete a 350 mile trip with an average velocity of 55 mph, how long will the trip take?
9. A Nolan Ryan fastball is thrown at a speed of 41.5 m/s. How long does it take to reach home plate 18.44 meters away?
10. A bicyclist has an average velocity of 35 km/hr. How far will she travel in 6.5 hours?