

**Honors Science (Physics)**  
**Speed and Acceleration Worksheet**

Name \_\_\_\_\_  
Date \_\_\_\_\_

Complete the following problems. Show all work and include units in your answer!

1. A car travels 560 miles in 9.1 hours. What is its average speed?
2. If you are 16 miles from Ann Arbor, how long will it take to get there if your average speed is 42 miles per hour?
3. If you ran at a rate of 300 m/min for 30 minutes, how far would you have run?
4. Find the average speed of a walk to school and back if you took 12 minutes to walk there and 18 minutes to walk back. The school is 1.5 miles from home.
5. A ball rolling down a hill accelerates from 40.0 m/min to 60.0 m/min in a time period of 3.0 minutes. What is the ball's acceleration?