Motion Review

Name:
Period:
Date:

1. A car travels 200 meters up a mountain in 4 hours. What is the car's average speed?

Step 1:	Step 2:
Step 3:	Step 4 & 5:

2. A student rides his skateboard down the street. It takes the student 5 minutes to travel 50 meters. What is the student's average speed?

Step 1:	Step 2:
Step 3:	Step 4 & 5:

3. During her vacation, Ms. Tao hiked 2 miles, drives 4 miles in her car, and traveled 3 miles in a subway. Each activity took 1 hour to complete. What is Ms Tao's average speed for the entire trip?

Step 1:	Step 2:
Step 3:	Step 4 & 5:

4. An athlete exercises by running 10 meters, swimming for 2 meters, and rides a bike for 13 meters. The first activity took 1 hour, the second activity took 1 hour, and the last activity took 3 hours. What is the athlete's average speed?

Step 1:	Step 2:
Step 3:	Step 4 & 5:

5. Ms. Tao organized a game for her students to try to find a prize. They had to follow directions to find the prize: "1) Walk to the left from the front door of the school until you come to a light post. 2) Two meters from the light post you will find an envelope containing the next instruction." What additional information in Step 2 do the students need in order to find the envelope?

6. During a race, Josue reached a higher speed than Gabriele, but Gabriele won the race. What must have happened for Gabriele to win?

7. Ms. Tao went running. The farther Ms. Tao traveled from her starting point, the slower she ran. Label the axis AND draw a graph showing her speed.

8. An ant crawled to the top of a stem. The graph shows how the ant's height on the stem changed with time. Based on the slope of the line, how far will the ant have traveled in 90 seconds? Show your work.

Crawling Ant

Distance (mm)

Time (s)