## **Graphing Practice**

Describe the motion for the following graphs. USING SCIENCE SKILLS: Interpreting a Diagram

100 80 Distance (m) 60 40 8 20 0 10 0 20 30 40 50 Time (sec) How many meters can Swimmer 1 cover in 30 sec? How far will Swimmer 2 go in 30 sec? \_\_\_\_\_ Predict the number of m Swimmer 1 can go in 60 sec. Predict the number of m Swimmer 2 can go in 60 sec. Which swimmer has the greatest speed? Calculate the speed of Swimmer 1. Calculate the speed of Swimmer 2. 1. Graph an object that is stationary at 1m, moves away at a constant speed, then stops. Position vs. time graph velocity vs. time graph 2. Graph an object that starts at 2m, moves forward at a constant speed, stops, and then moves back. Position vs. time graph velocity vs. time graph

