1			
		Date	Pd
UNIT III: Work	sheet 3		
the motion of an object.			
a	For each point o	on the graph dra	w a line

1. The graph below represents the motion of an object

X

R



Name

- b. At what point(s) on the graph above is the object moving most slowly? (How do you know?)
- c. Over what intervals on the graph above is the object speeding up? (How do you know?)

G

F

- d. Over what intervals on the graph above is the object slowing down? (How do you know?)
- e. At what point(s) on the graph above is the object changing direction? (How do you know?)
- 2. The drawing below shows two moving objects that have been photographed using a strobe flash. The objects start at rest and move to the **left**. The dots show the location of the objects at **each second**.



a. How is the motion of the two objects different?

- b. What is the average velocity for each object? Show your work.
- c. Do the objects ever have the same instantaneous velocity? How do you know?

