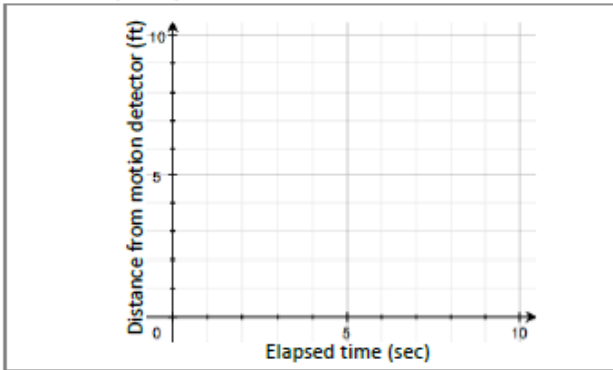


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Teacher \_\_\_\_\_

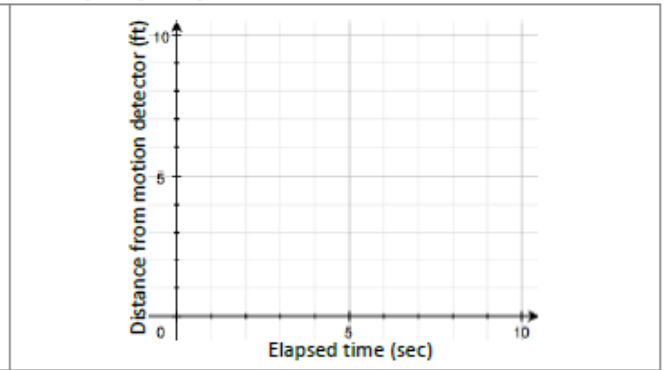
Unit 4 Block 3

1. Sketch a graph (*Elapsed time, Distance*) for each description. Keep in mind that you must walk for the full 10 seconds and cannot travel farther than 10 feet from the motion detector.

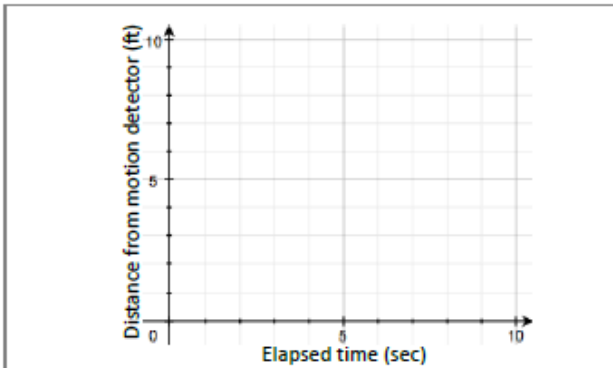
a. You start 3 feet from the motion detector and walk slowly away from the motion detector.



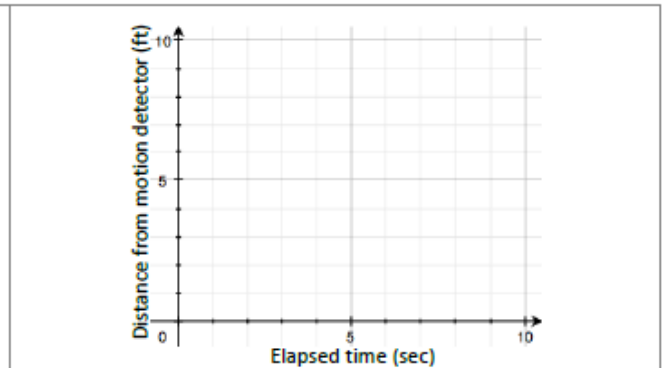
b. You start 2 feet from the motion detector and walk quickly away from the motion detector.



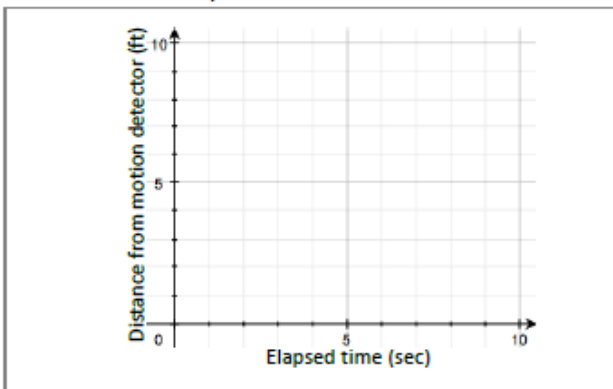
c. You start 7 feet from the motion detector and walk slowly toward the motion detector.



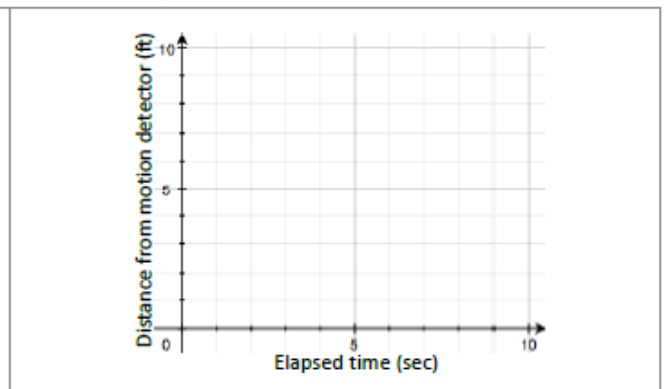
d. You start 9 feet from the motion detector and walk quickly toward the motion detector.



e. You walk toward the motion detector, stand still, and then walk away from the motion detector.



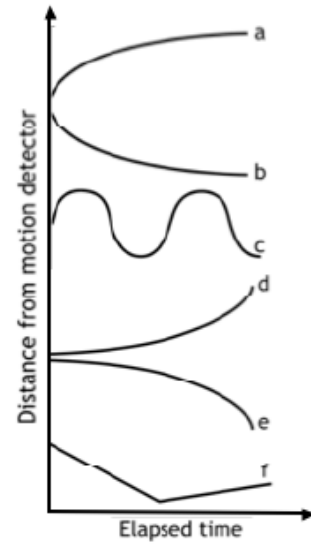
f. You stand still, then walk away from the motion detector, and then back toward the motion detector.



2.

Match each description with the corresponding graph. Write a letter in each blank.

- a. You started walking quickly away from the motion detector and gradually slowed down. \_\_\_\_\_
- b. You started walking away slowly from the motion detector and gradually sped up. \_\_\_\_\_
- c. You walked toward the motion detector at a fast, constant rate and then you walked away at a slower constant rate. \_\_\_\_\_
- d. You walked away from and then toward and then away from and then toward the motion detector. \_\_\_\_\_
- e. You started walking quickly toward the motion detector and gradually slowed down. \_\_\_\_\_
- f. You started walking slowly toward the motion detector and gradually sped up. \_\_\_\_\_



3.

Complete the math journal.

Scenario:	Describe in words what the graph would look like.	Sketch the graph.
a. You start walking slowly and speed up.		
b. You start walking quickly and slow down.		
c. You walk at a constant rate.		