## Action Physics Chapter 2 Quiz b-Interpreting Graphs of Motion

Name $\qquad$
Darken in the correct answer(s) after each question.


1. Which graph represent a student walking at constant speed away from the motion sensor? (A) (B)
2. Which graph represents a student standing still? ? (B) (C)
3. Which graph represent a student walking at constant speed toward the motion sensor. ? (A) (C)
4. The following questions refer to Graph D.
a. Which line on graph $D$ represents a person moving toward the detector with the lesser speed? (2) (3) (4)
b. Which line on graph D represents a person moving away from the detector with the lesser speed? (1) (2)
c. Which line on graph D represents a person moving away from the detector with the greatest speed? (I)
(1) (3)
d. Which line on graph $D$ represents a person moving toward the detector with the greatest speed? (1) (2) (3)
5. What else can be determined from a distance vs time graph?

$$
\begin{aligned}
& \text { HOW SMOOTM THE WALK } \\
& \text { WIERE LOQATED } \\
& \text { DIGTANOE TRAWELED } \\
& \text { WHERE STMRIED }
\end{aligned}
$$

