

## Moving Straight Ahead Investigation 1.2

Name \_\_\_\_\_ Period: \_\_\_\_\_

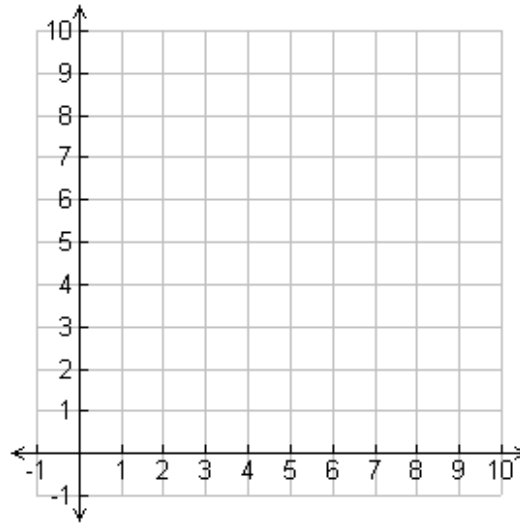
It turns out three students from Ms. Chang's class had the same walking rate at Mrs. Becksted and her two kids:

**Alana – 1 meter per second**  
**Gilberto – 2 meters per second**  
**Leanne – 2.5 meters per second**

- A. Complete data tables for each student showing their distance walked for the first ten seconds. Start with zero as your first value.

Alana	Gilberto	Leanne

- B. Graph the time and distance on the same graph below for all three students. Use a different color for each student's data line.



- C. How does the walking rate affect each graph?
- D. Write an equation that gives the relationship between the time  $t$  and the distance  $d$  walked for each student.

Alana \_\_\_\_\_ Gilberto \_\_\_\_\_ Leanne \_\_\_\_\_

- E. How are the students' walking rates represented in the equations?