CC 7 **1.2 – Walking Rates and Linear Relationships** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per\_\_\_\_

1. **Make a table** showing the distance walked by each student for the first ten seconds.

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| **Time (seconds)** | **Distance Walked (meters)** |
| **Alana**  | **Gilberto** | **Leanne** |
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*How does the walking rate affect the data in the table?*

2. **Graph** the time and distance on the same coordinate axes. Label each student’s line.

 *How does the walking rate affect the graph?*

3. **Write an equation** that gives the relationship between the time $t$ and the distance $d$ walked by each student.

Alana:

Gilberto:

Leanne:

*How is the walking rate represented in the equations?*

4. Are any of these **proportional relationships**? If so, what is the constant of proportionality?

Alana:

Proportional relationship? YES NO

If “YES”, what is the constant of proportionality? $k=$\_\_\_\_\_\_

Gilberto:

Proportional relationship? YES NO

If “YES”, what is the constant of proportionality? $k=$\_\_\_\_\_\_

Leanne:

Proportional relationship? YES NO

If “YES”, what is the constant of proportionality? $k=$\_\_\_\_\_\_