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

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Victoria and Louis were given Table 1 and Table 2 below. Each table represents a linear function.

|  |  |
| --- | --- |
| **x** | **y** |
| -2 | 7 |
| -1 | 5 |
| 0 | 3 |
| 1 | 1 |
| 2 | -1 |

|  |  |
| --- | --- |
| **x** | **y** |
| -2 | -3 |
| -1 | -2 |
| 0 | -1 |
| 1 | 0 |
| 2 | 1 |

**TABLE 1 TABLE 2**

Victoria says Table 1 represents an **increasing**  function and Table 2 represents a **decreasing** function.

Louis says Table 1 represents a **decreasing**  function and Table 2 represents an **increasing** function.

1. Do you agree with Victoria or Louis? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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3. How do you know your thinking is correct? What have you learned in math class to defend your reasoning? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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4. Write a mathematical argument supporting your answer. Be sure to include correct mathematical vocabulary and write in complete sentences!

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