***What’s the Difference?***

**Algebra**

**Unit 3 Line Master 1**

Determine the rate of change between pairs of consecutive rows in the table.

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| **Exercise Intensity (watts)** | **Heart Rate (bpm)** |
| 0 | 60 |
| 10 | 70 |
| 20 | 80 |
| 30 | 90 |
| 40 | 100 |
| 50 | 110 |

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| **Difference** |
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| **Exercise Intensity (watts)** | **Heart Rate (bpm)** |
| 60 | 115 |
| 70 | 117 |
| 80 | 119 |
| 90 | 120 |
| 100 | 121 |
| 110 | 121 |

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| **Difference** |
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What do you notice?

Does each table represent a linear relation or a non-linear relation?
How do you know?