

What's the Difference?

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

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

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

What do you notice?

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