

Class exercise

Using the graph from NON-LINEAR GRAPHS “Nichrome wire”, test the hypothesis given for this class exercise.

- a. fill in a new data table using the table provided below.

x^2	Current, $I^2 [A^2]$	0	0.25	1.00	2.25	4.00	6.25	9.00
y	Heat, $E_{\text{heat}} [J]$	0	140	600	1400	2500	3800	5500

- b. construct a new graph based on this new table.

Homework exercises

1,2,4 are an extension of a previous homework exercise for NON-LINEAR GRAPHS – recognising the shape of a graph. For each graph,

- set up a new data table onto your new graph paper
- construct a new graph based on the new table also onto the graph sheet you put your table on.