

Creating Linear Plots

These two tables show the changing depths of two submarines over time.

USS ALBUQUERQUE							
Time (s)	0	5	10	15	20	25	30
Depth (ft)	-39	-32	-25	-18	-11	-4	3

USS SPRINGFIELD							
Time (s)	0	5	10	15	20	25	30
Depth (ft)	-45	-37.5	-30	-22.5	-15	-7.5	0

- Graph both sets of data
- Describe how the graphs are the same and how they are different.
- Write a recursive sequence for each submarine that will describe its time and depth.
- Explain the meaning of your recursive sequence.
- Does it make sense to draw a line through the data? Explain.
- What is the meaning of the points (30,3) and (30,0)?
- What is the meaning of the points (0,-39) and (0, -45)?