

Variable = Quantity that changes

Ball Bounce Experiment

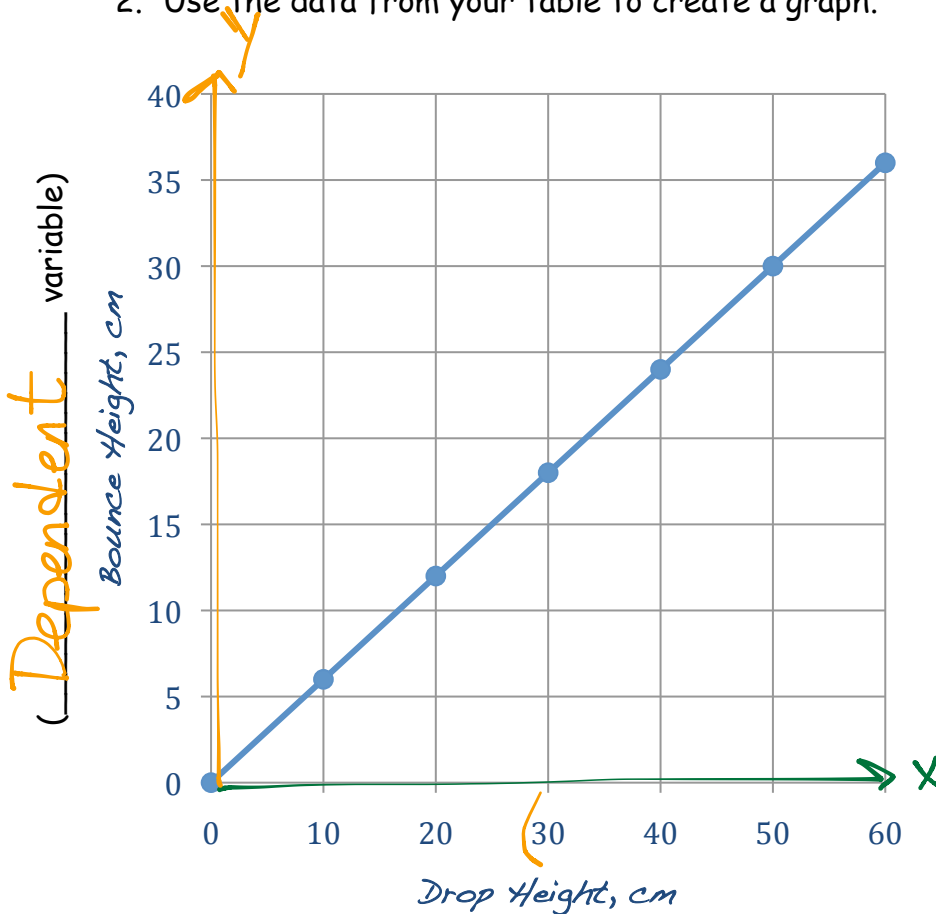
Name: _____

1. Record the bounce height of a tennis ball for different drop heights in the table below.

X	Drop height, cm	0	10	20	30	40	50	60
	Bounce height, cm	0	6	12	18	24	30	36

Handwritten notes: +10 (between 0-10, 10-20, 20-30), +6 (between 0-6, 6-12, 12-18)

2. Use the data from your table to create a graph.



When setting-up a graph:

- Label axes!
- Scale on axes must go up in a pattern.
- Start at (0,0).
- Numbers go on Lines not spaces.

3. Describe the pattern of change for the bounce height as drop height increases.

Bounce height increases by 6cm every time drop height increases by 10cm.