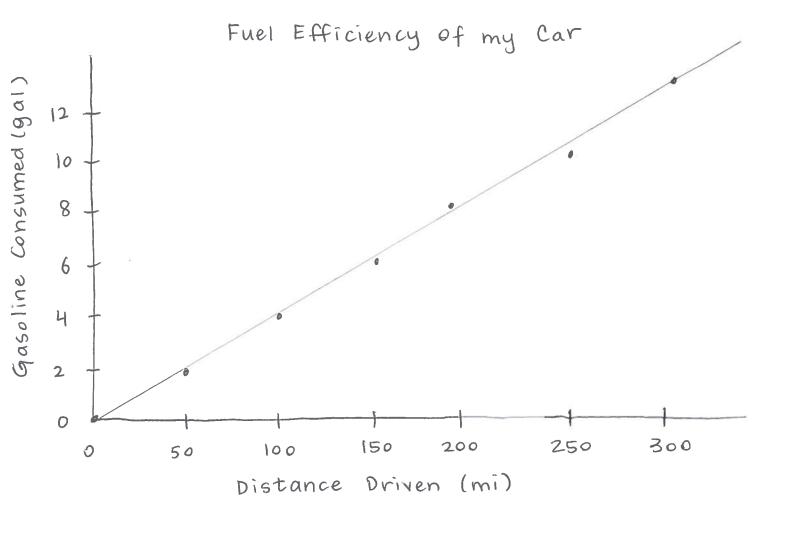
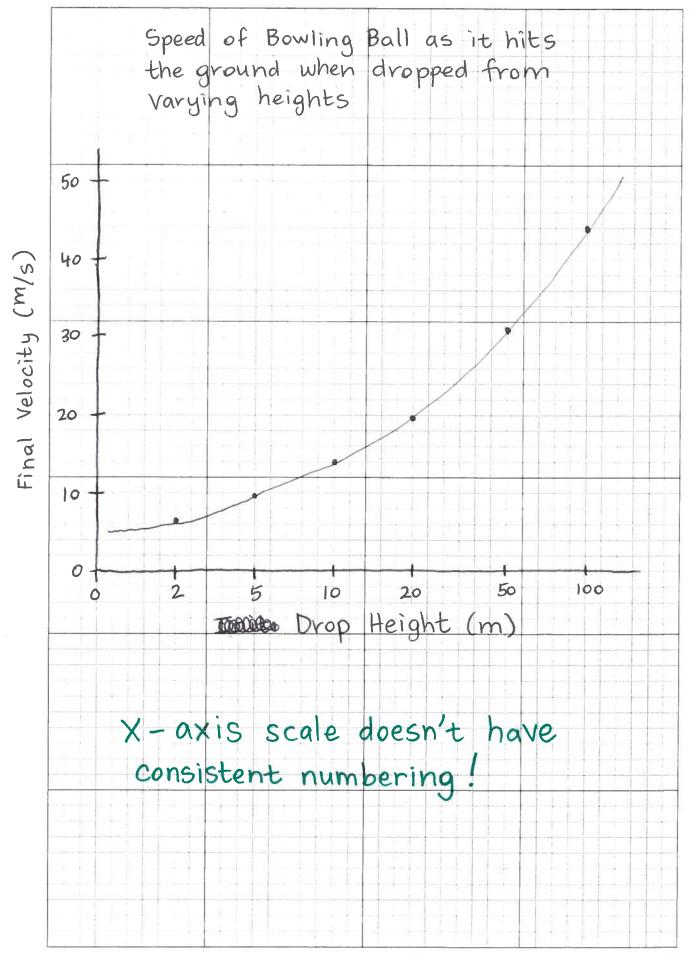
Rules for Graphs

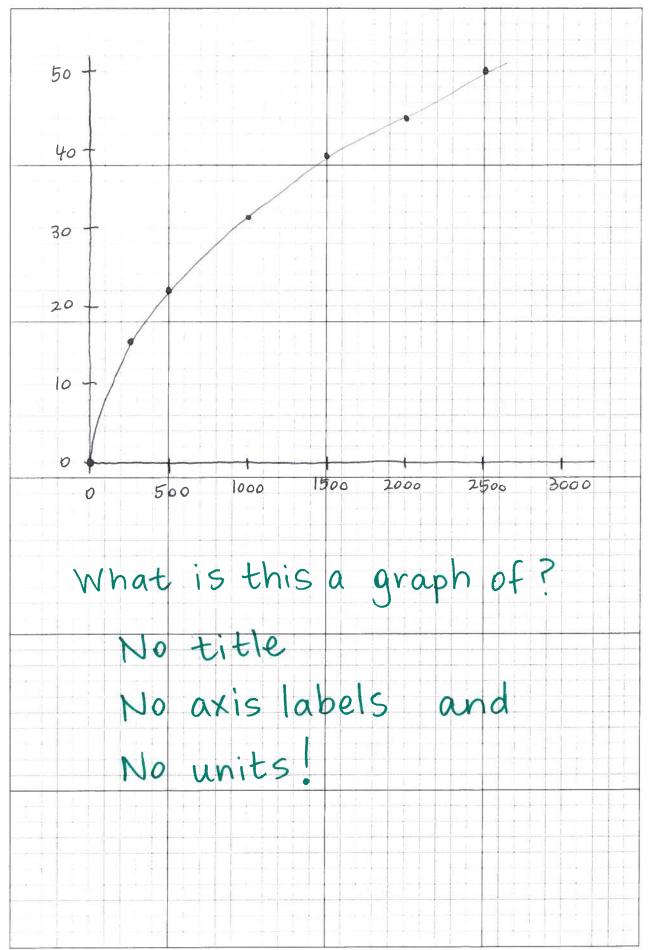
- **Use graph paper or a computer program.** Failure to do so (i.e. drawing free-hand) will be worth 0 points, regardless of how nice it looks. (See example on page 2.)
- The scale on both axes must be consistent. In other words, for equally spaced divisions, have equally spaced numbers. (See example on page 3.)
- **Put a title on the graph.** (See example on page 4.)
- Label both axes and include units! (See example on page 4.)
- **Don't play connect-the-dots.** Draw or use your computer software to generate a smooth line to fit the data. (See examples on pages 5 and 9.)
- Use the horizontal axis for the Independent Variable, and the vertical axis for the Dependent Variable. (See example on page 6.)
- **Plot only one graph per page, and fill up the entire page!** Don't try to squish everything into a corner. Use of landscape or portrait mode are both acceptable. (See example on page 7.)
- **Don't use line mode on Excel.** (See examples on page 8 & 11.)
- If your data isn't linear, don't use a linear fitting line. If you don't know how to generate an accurate fitting line using your computer, draw it in by hand afterward. (See example on page 10.)

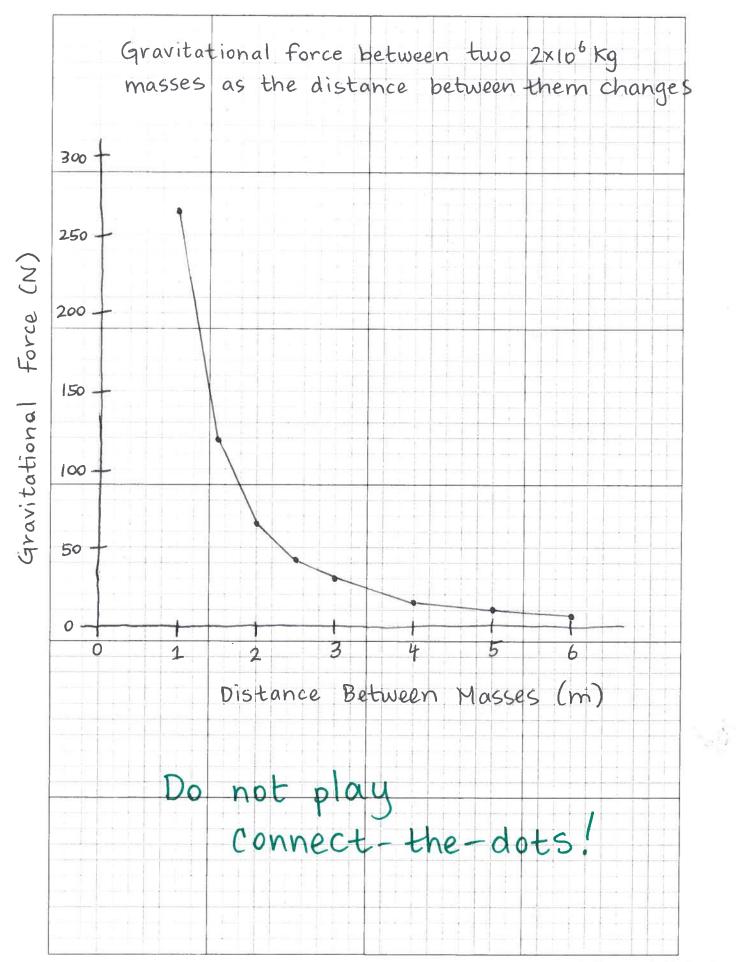


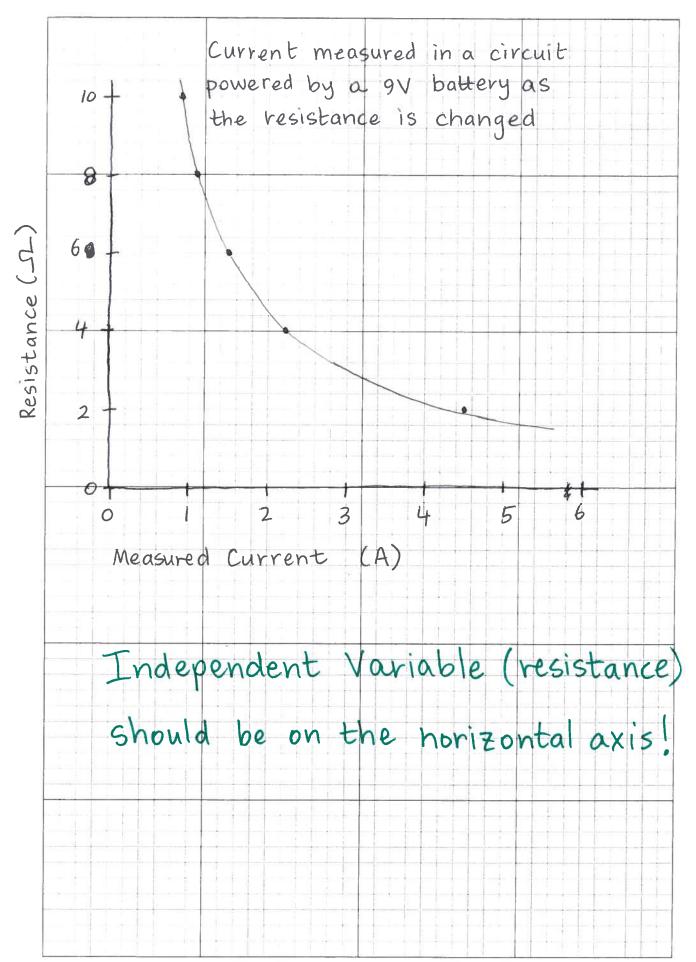
Score: Zero Points!

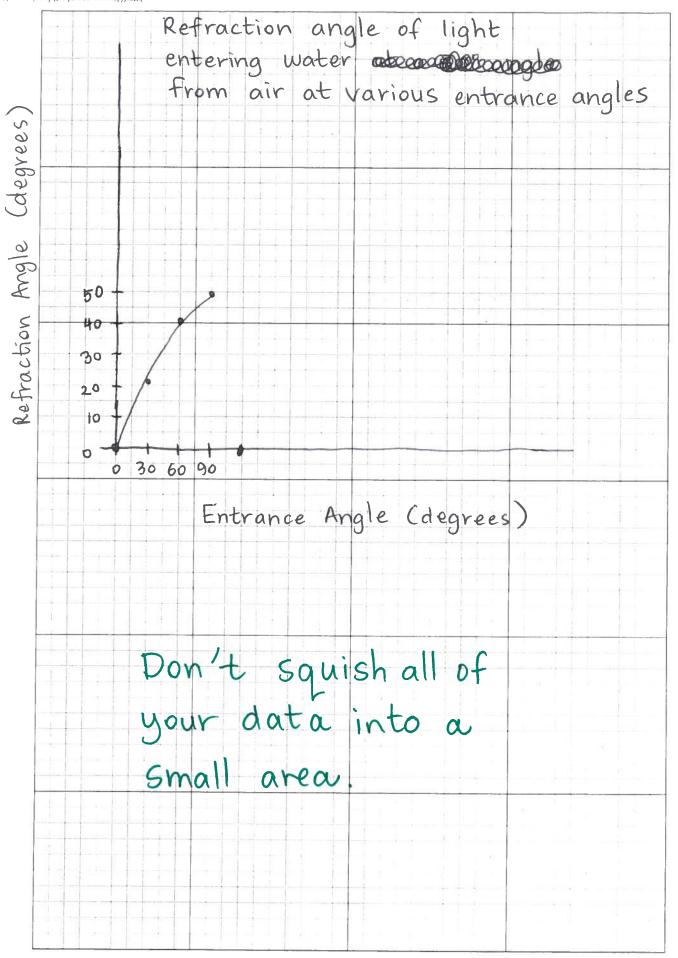
Why? Not on graph paper or generated by a computer program.

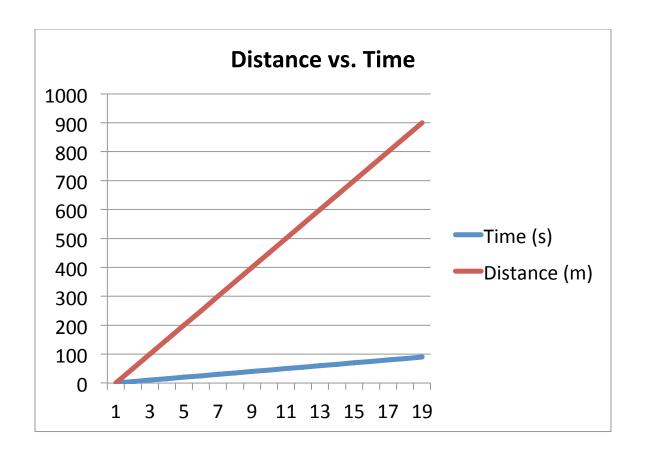






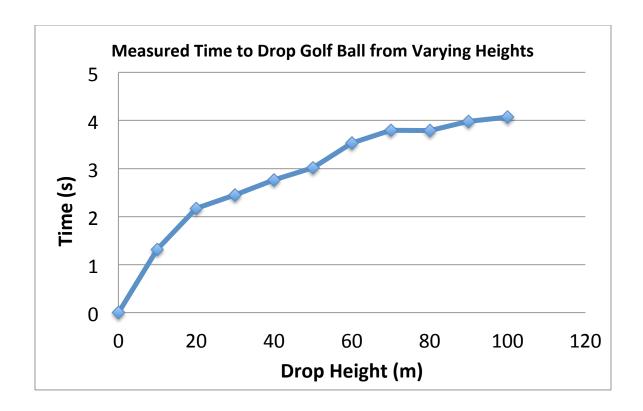






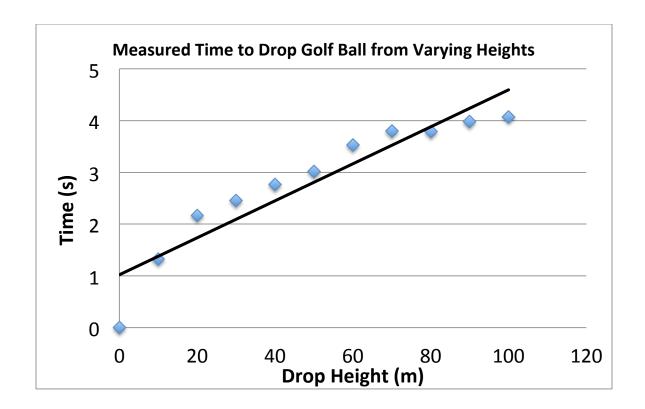
Score: 0 points!

Why? This is a completely meaningless graph generated using line mode.

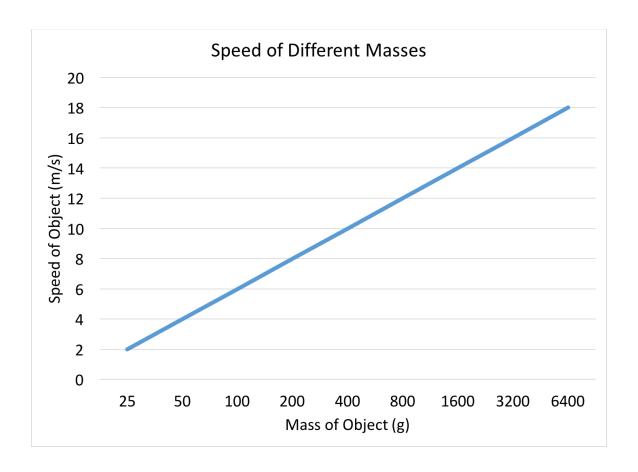


Do not play connect-the-dots in Excel: use marked scatter, not "straight" or "smooth" marked scatter





Do not use a linear fit line if the data isn't linear!



Don't use line mode to plot the data! The x-axis is not scaled properly! Make sure you use scatter mode instead.