

Report Sheet

HOOKE'S LAW

Data:

Distance (cm)	Force (N)

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Spring constants: _____ (include units!)

Include a graph of distance on the x-axis vs. force on the y-axis with both data sets on the same plot, including linear fits.

Questions:

- 1) Do you have reason to believe that each rubber band is following Hooke's law? Cite actual experimental data to support the claim.
- 2) What does a comparison of the two data sets show about the relative stiffness of the two rubber bands?