

## prf.1 Other Resources

There are many books on how to do proofs in mathematics which may be useful. Check out *How to Read and do Proofs: An Introduction to Mathematical Thought Processes* (Solow, 2013) and *How to Prove It: A Structured Approach* (Velleman, 2019) in particular. The *Book of Proof* (Hammack, 2013) and *Mathematical Reasoning* (Sandstrum, 2019) are books on proof that are freely available online. Philosophers might find *More Precisely: The Math you need to do Philosophy* (Steinhart, 2018) to be a good primer on mathematical reasoning.

There are also various shorter guides to proofs available on the internet; e.g., “Introduction to Mathematical Arguments” (Hutchings, 2003) and “How to write proofs” (Cheng, 2004).

## Motivational Videos

Feel like you have no motivation to do your homework? Feeling down? These videos might help!

- [https://www.youtube.com/watch?v=ZXsQAXx\\_ao0](https://www.youtube.com/watch?v=ZXsQAXx_ao0)
- <https://www.youtube.com/watch?v=BQ4yd2W50No>
- <https://www.youtube.com/watch?v=StTqXEQ21-Y>

## Photo Credits

## Bibliography

- Cheng, Eugenia. 2004. How to write proofs: A quick guide. URL <http://cheng.staff.shef.ac.uk/proofguide/proofguide.pdf>.
- Hammack, Richard. 2013. *Book of Proof*. Richmond, VA: Virginia Commonwealth University. URL <http://www.people.vcu.edu/~rhammack/BookOfProof/BookOfProof.pdf>.
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- Solow, Daniel. 2013. *How to Read and Do Proofs*. Hoboken, NJ: Wiley.
- Steinhart, Eric. 2018. *More Precisely: The Math You Need to Do Philosophy*. Peterborough, ON: Broadview, 2nd ed.

Velleman, Daniel J. 2019. *How to Prove It: A Structured Approach*. Cambridge: Cambridge University Press, 3rd ed.