PROOF TECHNIQUES

1) Introduction to mathematical arguments
(by Michael Hutchings)
http://math.berkeley.edu/~hutching/teach/113/proofs.pdf

2) How to Write Proofs -
A short tutorial on the basics of mathematical proof writing
(by Larry W. Cusick)
http://zimmer.csufresno.edu/~larryc/proofs/proofs.html

3) How to write proofs: a quick guide
(by Eugenia Cheng)
Department of Mathematics, University of Chicago
http://math.unice.fr/~eugenia/proofguide/

4) Notes on Methods of Proof
by Peter Williams
http://www.math.csusb.edu/notes/proofs/pfnot/pfnot.html

5) A brief guide to writing proofs (Polytechnic university)
http://www.math.poly.edu/courses/ma2...tingProofs.pdf

6) A few words about proof (Berkeley Math Circle)
http://mathcircle.berkeley.edu/proof.pdf

7) Understanding Mathematical Induction
(Idris Hsi)
http://www.cc.gatech.edu/people/home...ods/index.html
http://www.cc.gatech.edu/people/home...Induction.html

8) Basic proof methods (David Marker)
MATH 215, Introduction to Advanced Mathematics, Fall 2006
http://www.math.uic.edu/~marker/math215/methods.pdf

GUIDELINES FOR MATHEMATICAL PROOFS

1) Guidelines for Writing Mathematical Proofs (Jessica K. Sklar)
http://www.plu.edu/~sklarjk/499f06/4...guidelines.pdf

2) Introduction to Mathematical Reasoning (John M. Lee)
Conventions for Writing Mathematical Proofs
(Math 310, Spring 2006)
http://www.math.washington.edu/~lee/...ing-proofs.pdf

3) How to do math proofs (wikiHow)
http://www.wikihow.com/Do-Math-Proofs

4) Some hints on mathematical proof by David Goss
http://www.math.ohio-state.edu/~goss/style.html

5) Proof-Writing Tips (Ezra N. Miller)
Math 5707, Spring 2004
http://www.math.umn.edu/~ezra/5707/tips.html

HOW TO WRITE MATHEMATICS BADLY

6) How to write mathematics badly (Entry in the Mathematics Weblog)
Part 1: http://www.sixthform.info/maths/?p=147
Part 2: http://www.sixthform.info/maths/?p=148
Part 3: http://www.sixthform.info/maths/?p=149

BOOKS ON HOW TO WRITE PROOFS

- Proofs and Fundamentals: A First Course in Abstract Mathematics, Ethan D. Bloch
- The Nuts and Bolts of Proof, Antonella Cupillari
- An Introduction to Mathematical Reasoning: Numbers, Sets and Functions, Peter J. Eccles
- The Fundamentals of Higher Mathematics, Falkner
- Math Proofs Demystified, Stan Gibilisco
- Theory and Problems of Set Theory and Related Topics (Schaum's Outline), Lipschultz
- How to Read and Do Proofs: An Introduction to Mathematical Thought Processes, Daniel Solow
- The Foundations of Mathematics, Stewart and Tall
- How to Prove It: A Structured Approach, Daniel J. Velleman