Methods of Proof

Proof by obviousness

Proof by general agreement

Proof by imagination

Proof by convenience

Proof by necessity

Proof by plausibility

Proof by intimidation Proof by lack of time

Proof by postponement

Proof by accident

Proof by mumbo-jumbo Proof by profanity

Proof by definition Proof by tautology Proof by reference Proof by lost reference

Proof by calculus Proof by terror

Proof by lack of interest

Proof by logic

Proof by majority rule

Proof by clever variable choice

Proof by tessellation

Proof by divine intervention Proof by stubborness Proof by simplification

Proof by hasty generalization

Proof by deception

Proof by supplication

Proof by poor analogy

Proof by design

Proof by authority

Proof by intuition

"The proof is so clear that it need not be mentioned."

"All in favor?..."

"Well, we can pretend it's true..."

"It would be very nice if it were true, so..."

"Without it, the entire structure of mathematics would

crumble to the ground."

"It sounds so good it must be true." "Don't be stupid, of course it's true."

"We are out of time, so I leave the proof to you."

"The proof for this is long and arduous, so it is given in the

appendix."

"Wow! Look at that!" $\forall \alpha \in \Phi, \exists \beta \ni \alpha \bigoplus \beta \multimap e$ (example omitted)

"We define it to be true." "It's true because it's true." "As we see on page 289..." "I know I saw it somewhere..."

"The proof is beyond the scope of this course..."

When intimidation fails...

"Does anyone really want to see this?

"If it's on the problem sheet, it must be true!" Use only if general agreement is impossible.

"Let A be the number such that this proof works..."

"This proof is the same as the last." "And the Lord said, 'Let it be true." "I don't care what you say, it's true!" "This proof reduces to 1 + 1 = 2."

"Well, it works for 17, so it works for all reals."

"Now, everybody close their eyes..."

"Oh please, let it be true."

"It's just like..."

"If it's not true, we can invent a new math where it is."

"Donald Knuth says it's true, so it must be."

"I just have this gut feeling..."