

**CAT 101: Introduction to the Religion of Cats  
Homework 1**

Meowthor

**Question 1**

**Part (a): What sounds does a cat make?**

Cats can make a 'meow', 'purr', or 'boioioing' sound.

**TODO** Add more sounds before the cat overlords punish me.

**Part (b): Prove that cats are Gods.**

We must prove that cats are Gods.

*Proof.* Let us assume for the sake of contradiction that cats are not Gods.

This must mean that the world we are living in cannot exist.

But the world we are living in does exist.

This must mean that our initial assumption that cats are not Gods must be incorrect. □

Therefore, cats are Gods.

**Question 2: Prove that cats are equal to infinity.**

We must first prove that cats are a number.

**Lemma 1.** *Cats are a number.*

*Proof.* Obviously, cats are a number. □

Since cats are a number, we can now prove that cats are equal to infinity.

*Proof.* Let cat be  $x$ .

$$x = x - 1 \quad \text{(Duh)}$$

$$\implies x + 1 = x$$

$$\implies x = \infty \quad \text{(1)}$$

From (1), we can clearly see that  $x = \infty$  □

Therefore, cats are equal to infinity.