I will discuss some of my experiences in teaching a first year seminar which used contemplative techniques to explore the mathematical infinite. In this course students were taught basic calm-abiding (shamatha) meditation and asked to develop a daily meditation practice. They were also taught techniques of analytical meditation, which they used to contemplate Cantor’s Theorem, Goedel’s Theorem, and Zeno’s Paradoxes. (Received September 22, 2015)