

1154-M5-2188      **David Richeson\*** ([richesod@dickinson.edu](mailto:richesod@dickinson.edu)), Dickinson College, Department of Mathematics and Comp. Sci., Carlisle, PA 17013. *Squaring the Circle in a Mirror*.

In 2013 the collaborative contemporary art group Troika had an exhibit entitled “The Far Side of Reason.” One of the sculptures, “Squaring the Circle,” hung from the ceiling. Standing in front of the sculpture, the viewer saw a circle, but its reflection in a mirror behind it appeared to be a square. From the side, the sculpture was clearly neither a circle nor a square but four curved arcs joined together at their ends. In this talk, we discuss the mathematics behind this illusion and give instructions on how to make your own version out of paper. (Received September 17, 2019)