Arash Asadi and Luke Postle* (ljpostle@math.gatech.edu), 2735 Defoors Ferry Rd, Atlanta, GA 30318, and Robin Thomas. Sub-Exponentially Many 3-Colorings of Triangle-Free Planar Graphs.
Thomassen conjectured that every triangle-free planar graph has exponentially many 3 -colorings. He proved that it has at least $2^{n^{1 / 12} / 20000}$ distinct 3 -colorings where $n$ is the number of vertices. We show that it has at least $2^{\sqrt{n / 432}}$ distinct 3-colorings. (Received August 20, 2009)

