1024-37-104 **Julia A Barnes*** (`jbarnes@email.wcu.edu`), Department of Mathematics & Computer Science, Western Carolina University, Cullowhee, NC , and **Jane M Hawkins**, Department of Mathematics, CB# 3250, Phillips Hall, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599. *Families of ergodic and exact one-dimensional maps.*

We give a parameterized family of rational interval maps of degree two, each ergodic, exact and preserving a measure equivalent to Lebesgue measure. The family includes the unique quadratic Chebyshev polynomial as its only polynomial map. We extend the family to other settings on the circle and real line. (Received January 04, 2007)