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George J Schaeffer* (gschaeff@math.berkeley.edu), University of California at Berkeley, Department of Mathematics, 970 Evans Hall, Berkeley, CA 94720. *Factorization in algebraic orders*. Preliminary report.

After reviewing a few recent results in number theory, we offer some interesting consequences for factorization in algebraic orders. In particular, we answer a question of Coykendall in the affirmative—there exist infinitely many quadratic orders which are half-factorial. (Received February 09, 2009)