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Daniel S Silver* (silver@southalabama.edu), Department of Mathematics and Statistics, ILB 325, Mobile, AL 36688, and **Susan G Williams** (swilliam@southalabama.edu), Department of Mathematics and Statistics, ILB 325, Mobile, AL 36688. *Lehmer's Question and Graph Complexity*. Preliminary report.

D.H. Lehmer's question about roots of polynomials with integer coefficients has remained an important open question for more than 80 years. We show that Lehmer's question is equivalent to one about graph complexity and spanning trees. When planar graphs are considered, complexity is seen to be determinant density of knots and links. (Received September 05, 2016)