962-L1-562 **Paul D Sisson*** (psisson@pilot.lsus.edu), Paul Sisson, Dept. of Mathematics, One University Place, Shreveport, LA 71115. *College Algebra and Analysis of Stock Market Investing.*

This paper presents an instructional example of some of the mathematics underlying investment principles, and makes use of many of the concepts seen in college algebra. The example is consequently an effective way to review the following concepts at the end of a semester: Polynomial Equations, Compound Interest, Geometric Series, Descartes' Rule of Signs, Synthetic Division, and Bounds of Polynomial Roots. Other topics, such as the Complex Plane and Numerical Approximation, can be very naturally worked into the example as well. The example can also be modified slightly to serve as the basis for analyzing different investment strategies. (Received September 15, 2000)