1023-47-1675   **Mohammad Khadivi*** (`mkhadivi@hotmail.com`), M.R.Khadivi, Dept. of Math., College of Science Engineering and Technology, Jackson, MS 39217. *Operator Means and its appllication in solving a class of operator equation.*

In this talk we review the Arithmetic,Harmonic, and Geometric Means for positive operators A, and B that are defined on a Hilbert space H and will extend these concepts to arbitrary operators.We use the Harmonic Means to solve a class of operator equations. We will also talk about a new conjecture relative to operator Means. (Received September 26, 2006)