1100-33-320 Victor H Moll* (vhm@tulane.edu), Department of Mathematics, Tulane University, New Orleans, LA 70118, and Christophe Vignat (cvignat@tulane.edu), Department of Mathematics, Tulane University, New Orleans, LA 70118. Probabilistic proofs of identities for Special Functions.

A variety of identities in Special Functions, involving sums and integrals of classical functions, may be established by identifying the components of the identity in terms of moments of a random variable. A selection of examples is presented. (Received February 10, 2014)