

1116-01-1326 **Victor J. Katz*** (vkatz@udc.edu). *Medieval Mathematics in Three Languages*. Preliminary report.

When one thinks of medieval mathematics in Europe, the first ideas that come to mind are the introduction of the Hindu-Arabic number system with its algorithms as well as the first beginnings of algebra based on Latin translations from the Arabic. But there was far more mathematics developed and discussed in the European Middle Ages, not only in Latin but also in Arabic and Hebrew. In this talk we will particularly consider Hebrew and Arabic writings that involved sophisticated geometric and combinatorial ideas. The geometry often had its origins in Greek work, some of which had nearly been lost to Europe, while the combinatorial ideas, based on some fundamental religious concepts, were original to Muslim and Jewish authors. (Received September 18, 2015)