**“Ancient Automata”**

by Ken Yanosko

A. Compute a product (8)  
B. Partitions thoroughly, dentally (5,2)  
C. A matrix satisfies this polynomial (14)  
D. Spheres (4)  
E. Like Euclidean motions (5)  
F. Change density proportionally to the Laplacian (7)  
G. Multiplicative identity in a ring (5)  
H. Set of sets, linearly ordered by inclusion (5)  
I. What gets mapped to the identity (6)  
J. Adverb for perpendicular or tangent (8)  
K. Income stream (7)  
L. Collection of objects and morphisms (8)  
M. Conic with eccentricity greater than one (9)  
N. Type of payment used in bartering (2,4)  
O. Where scribblings are made (8)  
P. One-to-one mappings (10)  
Q. Euler’s nationality (5)  
R. Like a narrow triangular prism (5-6)  
S. Figure with seven sides (8)  
T. Having all dot products zero or one (11)  
U. Military weapons range or teacher’s questions file (4,4)  
V. Large size (8)  
W. What a non-polynomial-time algorithm might be (10)  
X. First-time budget item (3,8)  
Y. Like a circle that’s not the boundary of a disk (7)