73) T, the identity matrix is just a composite of the unit vectors the matrix already acts on.

1-1: Fonto: T

$$7)$$
 3×7

15+6=15+k

13) F, (AB) = BA

15) T, definition of inverse

17) T, Ax = b has unique × for all b

23) AB=AC
Ainxn, invertible AB=[Ab, Ab, Ab, ...Abp]

BRC: nxp where b ER

Abx has unique solution (theorem 5)

so if AC-AB=[Ac,...Acp], bx=Cx, B=C
hot always true if A J.n.e.