A=	1 1 3	4 4 2	1 5 7	B=	0 5 8	6 2 0	1 7 1	B=	1 6 11
A2=	1 3 2	2 5 2	0 5 1	B2=	1 2 1	6 2 2	A2*B2=	5 18 7	10 38 18
k=	3				k*B2	!=	3 18 6 6 3 6		

A=	1 2 2	0 1 3	3 1 1	det(A)=	10
A^-1=	-0.2 0 0.4	0.9 -0.5 -0.3	-0.3 0.5 0.1		
A^-1*A=	1 0 5.55E-17	1.11E-16 1 5.55E-17	-5.6E-17 0 1		

Use excel to show that $AA^-1 = A^-1A$ for matrices A and B.

A =	1 2 4	3 1 1	0 2 3	A^-1 =	0.14 0.29 -0.29	-1.29 0.43 1.57
AA^-1 =	1.00 0.00 0.00	0.00 1.00 0.00	0.00 0.00 1.00	A^-1A =	1.00 0.00 0.00	0.00 1.00 0.00

0.86

-0.29 -0.71

0.00

0.00

1.00