

--> (A):matrix([5,-3,4],[1,-2,0],[3,-4,2]);

$$(\%o1) \begin{pmatrix} 5 & -3 & 4 \\ 1 & -2 & 0 \\ 3 & -4 & 2 \end{pmatrix}$$

--> (b):matrix([3,1,5],[2,-1,0],[-5,1,1]);

$$(\%o2) \begin{pmatrix} 3 & 1 & 5 \\ 2 & -1 & 0 \\ -5 & 1 & 1 \end{pmatrix}$$

--> (A)+(b);

$$(\%o3) \begin{pmatrix} 8 & -2 & 9 \\ 3 & -3 & 0 \\ -2 & -3 & 3 \end{pmatrix}$$

--> (A)-(b);

$$(\%o4) \begin{pmatrix} 2 & -4 & -1 \\ -1 & -1 & 0 \\ 8 & -5 & 1 \end{pmatrix}$$

--> 3\*(A);

$$(\%o5) \begin{pmatrix} 15 & -9 & 12 \\ 3 & -6 & 0 \\ 9 & -12 & 6 \end{pmatrix}$$

--> -2\*(b);

$$(\%o6) \begin{pmatrix} -6 & -2 & -10 \\ -4 & 2 & 0 \\ 10 & -2 & -2 \end{pmatrix}$$

--> (A)\*(b);

$$(\%o7) \begin{pmatrix} 15 & -3 & 20 \\ 2 & 2 & 0 \\ -15 & -4 & 2 \end{pmatrix}$$

--> transpose(A);

$$(\%o8) \begin{pmatrix} 5 & 1 & 3 \\ -3 & -2 & -4 \\ 4 & 0 & 2 \end{pmatrix}$$

--> (E):matrix([1,0],[0,1]);

$$(\%o9) \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$$

--> 4\*(E);

$$(\%o10) \begin{pmatrix} 4 & 0 \\ 0 & 4 \end{pmatrix}$$

--> (b)\*(A);

$$(\%o11) \begin{pmatrix} 15 & -3 & 20 \\ 2 & 2 & 0 \\ -15 & -4 & 2 \end{pmatrix}$$