

trigfunctions : argument Radians 4-1
 degred = $180/\pi$ $\sin(30/\text{degred})$
 $A = [1\ 2\ 3; 4\ 5\ 6; 7\ 8\ 9];$ $\begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{bmatrix}$
 $b = [1; 2; 3];$ $\begin{bmatrix} 1 \\ 2 \\ 3 \end{bmatrix}$
 $b^t = b'$
 $b^t2 = [1\ 2\ 3];$
 format compact

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Case sensitive m, M 4-2
 for i = 1:100 if (a < b)
 ≡
 end else
 ≡
 ≡
 end
 i = 0
 while (i < 100)
 ≡
 i = i + 1
 end
 save } help save, help load
 load }

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Command prompt 4-3
 script, m-file xxx.m
 pause
 Keyboard diary log.txt
 return diary off
 dbguit
 Symbolic processing $n = \begin{bmatrix} 1 & 2 \\ 2 & 4 \end{bmatrix}$ rank(M) 1
 format short, long $M = \begin{bmatrix} 1 & 2 \\ 2 & 4.000001 \end{bmatrix}$ rank(M) 2
 cond(M):

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Who 4-4
 whos
 clear all
 plot(x,y, '*');
 plot(x,y)

$x_1 y_1$ $x_2 y_2$ $x_3 y_3$ $x_4 y_4$ $x_5 y_5$...

x, y can be scalar or vector variables

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