

Compute the following values in MATLAB:

$1+1/2+1/3+1/4+1/5+1/6$ (*use a range with “:”*)

$3 \cos(\pi)$

$\sin^2(3\pi/2)$

$\ln(2^5+1)$

$7!$ (*use the function browser*)

$\begin{bmatrix} 5i & -4 \\ 2 & 7-i \end{bmatrix} \begin{bmatrix} 2 \\ 3 \end{bmatrix}$