
3. What is partial pivoting and why would you use it?

The remaining two problems both concern the matrix $A = \begin{bmatrix} 2 & 4 & 2 & 0 & 6 \\ 2 & 5 & 2 & 1 & 7 \\ 2 & 3 & 2 & 1 & 3 \\ 3 & 4 & 3 & 1 & 4 \end{bmatrix}$.

4. Place A in echelon form. Be sure to justify each step.

5. Place A in row canonical form. Be sure to justify each step. You should begin with your answer from (4).