Math 1010 April 12, 2017 Homework 29

Text problems: 8.2 # 3-17 odds

$$A=\begin{bmatrix}4 & 11\\ 1 & 3\end{bmatrix} \quad C=\begin{bmatrix}1 & 0 & 1\\ 3 & 1 & -1\\ 2 & 5 & 2\end{bmatrix} \quad D=\begin{bmatrix}3 & 5 & 2\\ 7 & 1 & 1\\ 0 & 9 & 3\end{bmatrix} \quad E=\begin{bmatrix}4 & 5\\ 6 & 1\end{bmatrix} \quad F=\begin{bmatrix}x & 2y\\ z+8 & 5b-7\end{bmatrix}$$

1) Solve the equation for x, y, z, and b: $A=F$

2) Compute $3A+E$

3) Compute AE

4) Compute EA

5) Compute DC

6) Compute CD

7) Write in matrix form $AX=B$:

$$\begin{cases} 3x-2y=8 \\ 4x-3y=-5 \end{cases}$$