MTH 341 Homework 1 Lyell Read DUE 4/11/2019 Lyell Read (Pg. Prb): (96, 1.2.32), (96, 1.2.33), (46, 1.2.34) (91, 2.1.9) (92, 2.1.14) (95, 2.1.35)

1.2.32

$$\begin{cases} 7x + 14y + 15 = 22 & \text{Avanented} \\ 2x + 4y + 3z = 5 & \text{Avanented} \\ 3x + 6y + 10z = 13 \end{cases} \begin{cases} 7 & 14 & 15 & 22 \\ 2 & 4 & 3 & 5 \\ 3 & 6 & 10 & 13 \end{cases} \begin{cases} 7 & 14 & 15 & 22 \\ 2 & 4 & 3 & 3 \\ 2 & 4 & 3 & 3 \end{cases}$$

$$t=1$$

$$x=1-2y \longrightarrow \begin{bmatrix} z=1, x=1-2t, y=t \end{bmatrix}$$
10

1.2.33

Find Solution to argmented
$$\begin{pmatrix} x & y & t & = \\ 3x - y + 4z = 6 & main x \\ y + 8z = 0 \\ -2x + y = -4 \end{pmatrix} \begin{pmatrix} x & y & t & = \\ 3 & -1 & 4 & 6 \\ 0 & 1 & 8 & 0 \\ -2 & 1 & 0 & -4 \end{pmatrix} \begin{pmatrix} 1 & 0 & 4 & 2 \\ 0 & 1 & 8 & 0 \\ -2 & 1 & 0 & -4 \end{pmatrix}$$

$$3+20 = 3 + 20 = 3 +$$

$$\begin{array}{c} x + 4y = 2 \longrightarrow x = 2 - 4z \\ y + 8z = 0 \longrightarrow y = -8z \end{array}$$

$$\begin{array}{c} x = 2 - 4z \\ - 8z = 0 \end{array}$$

$$\frac{1.2.34}{\text{And the Solotron to:}} \begin{cases}
q_{x} - 2\eta_{x} + 4t = -14 \\
13x - 3\eta_{x} + 6q = 2-5 \\
-2x + 0\eta_{x} - 1 = 25
\end{cases}$$

$$\frac{3}{12x - 3\eta_{x} + 6q = 2-5} \begin{cases}
10 & \frac{1}{2} & -\frac{3}{2} \\
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10 & \frac{3}{2} & -\frac{3}{2} & -\frac{3}$$

NEXT PAUÉ

f ∈ 2x1 Ax3 N/P w/s (€) ≠ ROWS (A)

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