

EE 2240  
**Problem #02**

Use Cramer's Rule to solve for  $x$ ,  $y$  and  $z$ .

$$\begin{bmatrix} -3 & 6 & 2 \\ 5 & 1 & 12 \\ 1 & -2 & -4 \end{bmatrix} \begin{bmatrix} x \\ y \\ z \end{bmatrix} = \begin{bmatrix} 15 \\ 43 \\ -15 \end{bmatrix}$$