

**Solve each system of equation using Augmenting.**

**Rules:**

**1. Can switch rows**

**2. Can multiply by a scalar**

**3. Can Add or Subtract rows using a scalar like  $-R_1 + R_3$**

1.  $x + 0y - 3z = -2$   
 $3x + y - 2z = 5$   
 $2x + 2y + z = 4$

2.  $2x + 10y + 2z = 6$   
 $y + z = 1$   
 $y + 2z = 3$

Set-up #1 like this  $\left[ \begin{array}{ccc|c} 1 & 0 & -3 & -2 \\ 3 & 1 & -2 & 5 \\ 2 & 2 & 1 & 4 \end{array} \right]$