Aim: *More* **Practice with the Gauss-Jordan Elimination**

I. Do Now: Solve each system using Gauss-Jordan Elimination. Be sure to indicate each row operation.
(#3, #4, and #5 are the same examples from the last lesson)

3. $2x + 3y + 4z = 14$
   $5x \quad\;\; - 2z = 14$
   $\quad\; 3y + 6z = 12$

4. $2x \quad\quad + 3z = 3$
   $4x - 3y + 7z = 5$
   $8x - 9y + 15z = 9$

5. $x - 4y + 3z = 5$
   $-x + 3y - z = -3$
   $2x \quad\;\; - 4z = 6$

II. More Practice (if time):

6. $x + y + z = 5$
   $2x + 3y + 5z = 8$
   $4x \quad\;\; + 5z = 2$

7. $x + 3y + 4z = 3$
   $2x + 7y + 3z = -7$
   $2x + 8y + 6z = -4$

8. $2x + 8y - 4z = 0$
   $2x + 11y + 5z = 9$
   $4x + 18y + 3z = 11$

HW47
• Complete this handout.