**3.2 SOLVING SYSTEMS OF 3 EQUATIONS WITH ELIMINATION**

1. Pick two equations from the system and **eliminate** the same variable from each pair.
2. Pick two equations from the system and **eliminate** the same variable from each pair.
3. Take the answers from **STEP 1** and **STEP 2** and use **elimination method** to solve for one variable.
4. Take the answer from **STEP 3** and substitute it into one of the answers from **STEP 1 or STEP 2**.
5. Take both variable answers from **STEP 3 and STEP 4** and substitute those two values into one of the **ORIGINAL** equations.
6. Check your answers!

|  |
| --- |
|  |
|  |
| 3. |
| 4 |
| 5. |

Solutions:

1. (2, 3, -1) 2. (-1, -4, -4) 3. (-2, -3, 3) 4. (-5, -5, 3) 5. (-2, 4, -3)

Date: HW #

**3.2 SOLVING SYSTEMS OF 3 EQUATIONS WITH ELIMINATION**

|  |
| --- |
| **1.** |
| **2.** |
| **3.** |
| **4.** |
| **5.** |

Solutions:

1. (4, 2, 0) 2. (0, 0, -3) 3. (-1, 6, 1) 4. (5, -1, -4) 5. (2, 2, 0)