**LESSON PLAN**

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| **Teachers:** Şakire Örmeci  **Date:** 31.01.2012**Grade Level:**  Shell M 3 **No. Of students:** 17**Lesson Length:** 35 minutes **Topic:** Simultaneous Equations**Lesson Objectives:*** Students should comprehend the elimination method to find the solution of simultaneous equation.
* Students will be able to solve simultaneous equations in where one of variables can be eliminated first step.
* Students will be able to solve simultaneous equations where one equations need to multiplied by a constant.
* **Materials:** Board marker, board, power point, worksheet, textbook.
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| **Time** | **Content** | **Teachers’ activity** | **Students’ activity** |
| 8’ **Warm up** | Review Type 2Exercises from worksheet | Teacher makes a quick review of what they did previous day and let students solve problem about simultaneous equation Type 1, Type 2.While students solving problem, teacher walk around and helps students. |
|  **5’**  |  Type 3 | Teacher introduces Type 3 equations and asks students“Which of the variables is easy to eliminate? And How can we eliminate it?”Then she solves the problem and let students take note on their notebook. |
| **8’** |  Exercise 1& 2 | Teacher solves the first exercise by asking students and let students solve the second exercise. While students solving, she walks around and help them.  |
| **5’** |  Note for Type 1, 2, 3 |  Teacher generalizes the solution ways for Type 1, 2,3 equations and explains it as rule. Students take note. |
| **9’** | Type 4&Exercises | Teacher moves on Type 4 and states that this type quite different than others, it is more complicated. Teacher again asks“ Do you have any idea to eliminate one of the variable?” After taking students ideas for solution, teacher explains the solution way. She has students solve exercises. |