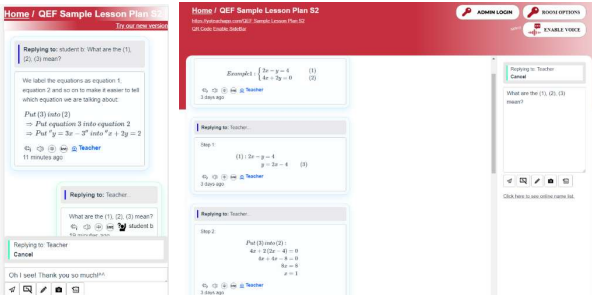# Junior Secondary Mathematics Curriculum (S1 – S3)

Learning Unit 9 – Linear Equations in Two Unknowns
Active Learning Lesson Activity

Teacher's demonstration and explanation

Teacher's Activity	Students' Activity
Teacher: **YoTeach!** will be used as communication tool. Use Examples to perform the Substitution Method **Example 1:** $\begin{cases} 2x - y = 4 \\ 4x + 2y = 0 \end{cases}$ Solution: $x = 1, y = -2$ Step 1. Label equation (1) and (2) Step 2. Change y as the subject of equation (1), label it as equation (3) Step 3. Put equation (3) in equation (2), find the value of x Step 4. Put x = 1 in equation (1), find the value of y **Example 2:** After example 1 is done the teacher will ask students to solve the following system on their own: $\begin{cases} 3x - y = 3 \\ x + 2y = 2 \end{cases}$ Solution: $x = \frac{8}{7}, y = \frac{3}{7}$ Teacher will ask students to write down their solutions in **YoTeach!**. Teacher will check all the solutions of students, identify the correct answers, and go over closely which ones are incorrect.	**Students:** https://yoteachapp.com/ Enter the room by scanning the QR code and entering the pin: **84183862**. Observe and work out according to teacher's demonstration. Students can ask questions through **YoTeach!**.