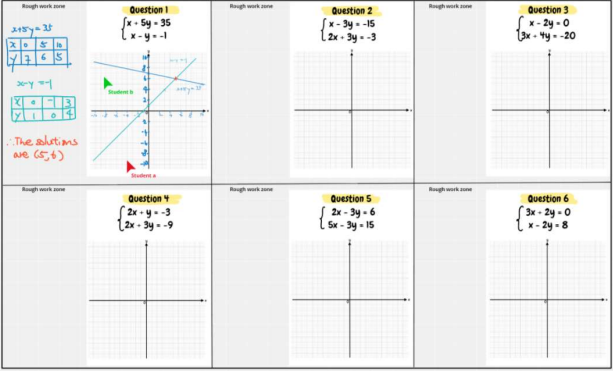# Junior Secondary Mathematics Curriculum (S1 – S3)

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

Active Learning Exercises for Students

Teacher's Activity	Students' Activity
Collaborative Learning Activities **Teacher:** Assign students in groups to solve the following simultaneous equations by the substitution method on the **Interactive Online Whiteboards (IOWB)**. Group students into 6 groups. Students can observe the calculation procedures of other groups and counter check their answers after that. **Solve the following simultaneous equations.**	**Students:** https://app.conceptboard.com/board/me58-m8hg-7qe8-53to-g4ae Actively using the **Interactive Online Whiteboards (IOWB)** to plot the graph and find the intersection point. Students can ask questions through **YoTeach!**.

Question 1
$$\begin{cases} x + 5y = 35 \\ x - y = -1 \end{cases}$$

Question 2
$$\begin{cases} x - 3y = -15 \\ 2x + 3y = -3 \end{cases}$$

Question 3
$$\begin{cases} x - 2y = 0 \\ 3x + 4y = -20 \end{cases}$$

Question 4
$$\begin{cases} 2x + y = -3 \\ 2x + 3y = -9 \end{cases}$$

Question 5
$$\begin{cases} 2x - 3y = 6 \\ 5x - 3y = 15 \end{cases}$$

Question 6
$$\begin{cases} 3x + 2y = 0 \\ x - 2y = 8 \end{cases}$$