

**Simultaneous Equations**  
**Elimination Method**  
**Grade 11**

- i. Number the equations
- ii. **Eliminate!** Remember:
  - a. If the **signs** are the **same**, **SUBTRACT** to eliminate
  - b. If the **signs** are **different**, **ADD** to eliminate
- iii. Solve.
- iv. Substitute your answer into equation 1 or 2 to solve for the next variable.

Solve the following pairs of simultaneous equations using the steps above.

$$\begin{aligned}12x + 5y &= 65 \\9x + 5y &= 50\end{aligned}$$

$$\begin{aligned}9x + 2y &= 48 \\x - 2y &= 2\end{aligned}$$

$x =$  \_\_\_\_\_  $y =$  \_\_\_\_\_

$x =$  \_\_\_\_\_  $y =$  \_\_\_\_\_