

LO 10 ADV : SIMULTANEOUS EQUATIONS BY ELIMINATION

Solve the following simultaneous equations by the elimination method.

$$\begin{array}{l} 1. \quad x + y = 6 \\ \quad 3x - y = 10 \end{array}$$

$$\begin{array}{l} 2. \quad 3x + 2y = 8 \\ \quad x - 2y = 0 \end{array}$$

$$\begin{array}{l} 3. \quad x + 5y = 9 \\ \quad 2x - 5y = 3 \end{array}$$

$$\begin{array}{l} 4. \quad 3x - 2y = 7 \\ \quad x + 2y = -3 \end{array}$$

$$\begin{array}{l} 5. \quad 9x + 4y = -17 \\ \quad 5x - 4y = 3 \end{array}$$

$$\begin{array}{l} 6. \quad 4x + y = 23 \\ \quad x - y = 2 \end{array}$$

$$\begin{array}{l} 7. \quad -2x + y = -8 \\ \quad 2x + 2y = 5 \end{array}$$

$$\begin{array}{l} 8. \quad 3x + 10y = -8 \\ \quad -3x + 4y = 22 \end{array}$$