

# System of Equations

3 equations, 3 unknowns

Solve on separate piece of paper. (There are no fraction/decimal solutions.)

$$\begin{aligned} 1) \quad & 2x - 3y + z = -3 \\ & x + 2y - 4z = -8 \\ & -x + y - 2z = -4 \end{aligned}$$

$$\begin{aligned} 2) \quad & 3x + 2y - 3z = 5 \\ & 2x - 3y + 2z = -6 \\ & 4x + 4y - z = 18 \end{aligned}$$

$$\begin{aligned} 3) \quad & -x - 3y + z = 7 \\ & -2x - 7y - 3z = -9 \\ & 5x + 2y - 2z = 6 \end{aligned}$$

$$\begin{aligned} 4) \quad & 2x + 3y = z + 7 \\ & x - 2y = 1 - 4z \\ & x + 2y - 3z = 2 \end{aligned}$$

$$\begin{aligned} 5) \quad & 2x + y + 3z = 1 \\ & -4x + 5y + z = 19 \\ & 3x - 2y + 4z = -6 \end{aligned}$$

# System of Equations

3 equations, 3 unknowns

$$\begin{aligned} 1) \quad x &= 0 \\ y &= 2 \\ z &= 3 \end{aligned}$$

$$\begin{aligned} 2) \quad x &= 1 \\ y &= 4 \\ z &= 2 \end{aligned}$$

$$\begin{aligned} 3) \quad x &= 4 \\ y &= -2 \\ z &= 5 \end{aligned}$$

$$\begin{aligned} 4) \quad x &= 1 \\ y &= 2 \\ z &= 1 \end{aligned}$$

$$\begin{aligned} 5) \quad x &= -2 \\ y &= 2 \\ z &= 1 \end{aligned}$$