System 1

$$\begin{aligned} 5x + 2y &= 3 \\ -3x + 3y &= 15 \end{aligned}$$

Show Solution

System 2

$$\begin{aligned} 3x - y &= 2 \\ -6x + 2y &= -4 \end{aligned}$$

Show Solution

System 3

$$\begin{aligned} -5x + y &= 0 \\ x - \frac{1}{5}y &= -3 \end{aligned}$$

Show Solution

System 4

$$\begin{aligned} 5x + 2y &= 2 \\ 2x + y - z &= 0 \\ 2x + 3y - z &= 3 \end{aligned}$$

System 4

$$\begin{aligned} 5x + 2y &= 2 \\ 2x + y - z &= 0 \\ 2x + 3y - z &= 3 \end{aligned}$$

Show Solution

System 5

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

Show Solution

System 6

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

Show Solution

System 7

$$\begin{aligned} 3x - y + 7z &= 1 \\ 5x + z &= 2 \end{aligned}$$

$$\begin{aligned} 3x - y + 7z &= 1 \\ 5x \quad\quad + z &= 2 \end{aligned}$$

Show Solution

System 8

$$\begin{aligned} x \quad - y + 5z &= \sqrt{2} \\ \sqrt{5}x \quad\quad + z &= \sqrt{3} \\ \frac{2}{5}x + 3y + 2z &= \frac{5}{2} \end{aligned}$$

Show Solution

System 9

$$\begin{aligned} x + 2y \; - 3z \; - t \; &= 0 \\ -3y \; + 2z + 6t \; &= -8 \\ -3x \; - y \; + 3z \; + t \; &= 0 \\ 2x + 3y \; + 2z \; - t \; &= -8 \end{aligned}$$

Show Solution

System 10

$$\begin{aligned} (1+i)x - iy &= 3i \\ 2x + iy &= -i \end{aligned} \qquad i = \sqrt{-1} \in \mathbb{C}$$

Show Solution