

Assignment:

Page 224 # 1 – 3, 8, 10

Show your work.

Use elimination to solve each system of equations.

$$1. \begin{cases} -2x + y + 3z = 20 \\ -3x + 2y + z = 21 \\ 3x - 2y + 3z = -9 \end{cases}$$

$$2. \begin{cases} x + 2y + 3z = 9 \\ x + 3y + 2z = 5 \\ x + 4y - z = -5 \end{cases}$$

$$3. \begin{cases} x + 2y + z = 8 \\ 2x + y - z = 4 \\ x + y + 3z = 7 \end{cases}$$

$$8. \begin{cases} 2x - y - 3z = 1 \\ 4x + 3y + 2z = -4 \\ -3x + 2y + 5z = -3 \end{cases}$$

$$10. \begin{cases} 4x + 7y - z = 42 \\ -2x + 2y + 3z = -26 \\ 2x - 3y + 5z = 10 \end{cases}$$