

Math 3 HW - Solving 3 by 3 Systems

Name \_\_\_\_\_

$$1) \begin{cases} x - y + 2z = -1 \\ 3x - 2y = 15 \\ -2x = -10 \end{cases}$$

$$2) \begin{cases} 4x + 9z = 8 \\ -2x - 4y - 5z = -16 \\ 6x + 4y - 4z = 24 \end{cases}$$

$$3) \begin{cases} -3x + 2y + 4z = 22 \\ -3x - 2y - 4z = 14 \\ -3x - 3y - 4z = 10 \end{cases}$$

$$4) \begin{cases} -3x - y + 6z = 16 \\ -x + 5y - 6z = 8 \\ -3x - y + 3z = 7 \end{cases}$$

$$5) \begin{cases} -3x - y + 3z = -4 \\ 3x + 5y - 6z = -25 \\ 4x + 3y + 4z = 21 \end{cases}$$