

**SOLVING LINEAR SYSTEMS USING ELIMINATION** Assignment

Find the solution of the following systems by elimination and determine if it is an independent, inconsistent or dependent system

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

6. 
$$\begin{cases} -3x + 3y = 4 \\ -x + y = 3 \end{cases}$$

2. 
$$\begin{cases} 2x + 3y = 14 \\ x + 2y = 9 \end{cases}$$

7. 
$$\begin{cases} x = 3y - 1 \\ 3x - y = 2 \end{cases}$$

3. 
$$\begin{cases} 7x + 2y = 16 \\ -21x - 6y = 24 \end{cases}$$

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

4. 
$$\begin{cases} 4x - 3y = 18 \\ y + 2 = 0 \end{cases}$$

9. 
$$\begin{cases} 2x + 4y = -6 \\ x = 1 - 2y \end{cases}$$

5. 
$$\begin{cases} -3x - 2y = -12 \\ y = 5x - 7 \end{cases}$$

10. 
$$\begin{cases} 5x - 2y = 1 \\ x + 4y = 8 \end{cases}$$