

SOLVING LINEAR SYSTEMS USING SUBSTITUTION Assignment

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

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

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

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

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

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

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

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

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

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

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