

Math 1010 April 3, 2017 Homework 25
Solve the following systems by substitution

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

2.
$$\begin{cases} x = 2y \\ 3x + 7y = 13 \end{cases}$$

3.
$$\begin{cases} 2x + y = 8 \\ x - 6y = -9 \end{cases}$$

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

5.
$$\begin{cases} 2x - 7y = 3 \\ -4x + 14y = -6 \end{cases}$$

Solve the following systems by elimination.

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

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

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

$$4. \begin{cases} 5x - y = 17 \\ x + 2y = -3 \end{cases}$$

$$5. \begin{cases} 6x - 3y = 1 \\ 2x + 4y = 10 \end{cases}$$