

Solve the following linear systems by elimination.

$$1. \begin{cases} x - 5y = 9 \\ -x + 10y = 2 \end{cases}$$

$$2. \begin{cases} 3x - 4y = 7 \\ -6x + 2y = 1 \end{cases}$$

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

$$4. \begin{cases} 4x + 9y = 5 \\ -3x + 2y = 10 \end{cases}$$