

SYSTEMS OF EQUATIONS: ELIMINATION #3

Use elimination to solve each system of equations.

1. $\begin{aligned} -2x + y &= -11 \\ 2x - 2y &= 16 \end{aligned}$ $(\underline{3}, \underline{-5})$	2. $\begin{aligned} 5x - y &= 4 \\ 8x - y &= 10 \end{aligned}$ $(\underline{2}, \underline{6})$	3. $\begin{aligned} 4x + 2y &= -12 \\ -4x - 3y &= 2 \end{aligned}$ $(\underline{-8}, \underline{10})$
4. $\begin{aligned} 5x - 3y &= 7 \\ 3x - 3y &= 9 \end{aligned}$ $(\underline{-1}, \underline{-4})$	5. $\begin{aligned} -6x + 7y &= 5 \\ -x + 7y &= -5 \end{aligned}$ $(\underline{-2}, \underline{-1})$	6. $\begin{aligned} -2x - 6y &= 10 \\ 2x - 2y &= 14 \end{aligned}$ $(\underline{4}, \underline{-3})$
7. $\begin{aligned} -4x + 3y &= -2 \\ 8x - 7y &= -2 \end{aligned}$ $(\underline{5}, \underline{6})$	8. $\begin{aligned} 3x - 8y &= -9 \\ -9x - 11y &= 27 \end{aligned}$ $(\underline{-3}, \underline{0})$	9. $\begin{aligned} 2x + 2y &= 0 \\ 6x + 5y &= -2 \end{aligned}$ $(\underline{-2}, \underline{2})$
10. $\begin{aligned} 9x - 5y &= 20 \\ 8x + 3y &= -12 \end{aligned}$ $(\underline{0}, \underline{-4})$	11. $\begin{aligned} 3x - 2y &= -5 \\ 7x - 7y &= -28 \end{aligned}$ $(\underline{3}, \underline{7})$	12. $\begin{aligned} -3x + 4y &= -6 \\ 2x + 3y &= -13 \end{aligned}$ $(\underline{-2}, \underline{-3})$