

## 3.2 Solving Systems w/Addition

- ▶ Make sure that equations are lined up!
- ▶ Look for OPPOSITES of one variable!
- ▶ Add the equations together & eliminate a variable. Solve the equation.
- ▶ Use substitution to find remaining variable.
- ▶ Write solution as an ordered pair  $(x, y)$

$$1. \begin{cases} -2x - 8y = 36 \\ 2x - 3y = 8 \end{cases}$$

$$2. \begin{cases} 8x - 4y = 24 \\ 3x + 4y = -2 \end{cases}$$

$$3. \begin{cases} 2x - 5y = -23 \\ 5y + 6x = -9 \end{cases}$$