

7-3**Elimination
using
Addition**

Add equations together to **ELIMINATE** one of the variables

Use **ADDITIVE INVERSES** (adding the opposites)

Example 1) $3x - 5y = 16$
 $-3x + 2y = -10$

Example 2) $x + y = -3$
 $x - y = 1$



Write and solve a system of equations

Example 3) The sum of two numbers is 48, their difference is 24. What are the two numbers?

First : Define your variables

Second : Set up the equations

Third : Solve

Fourth: Answer the question

