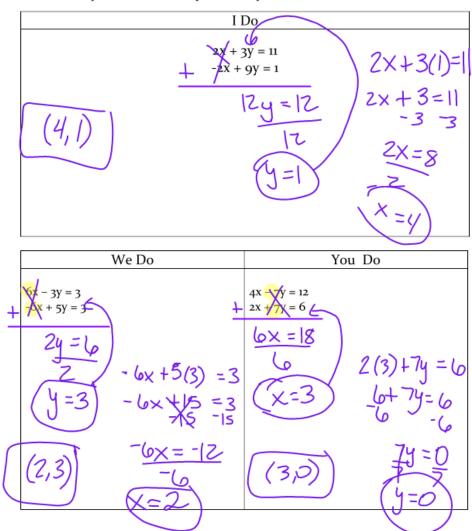
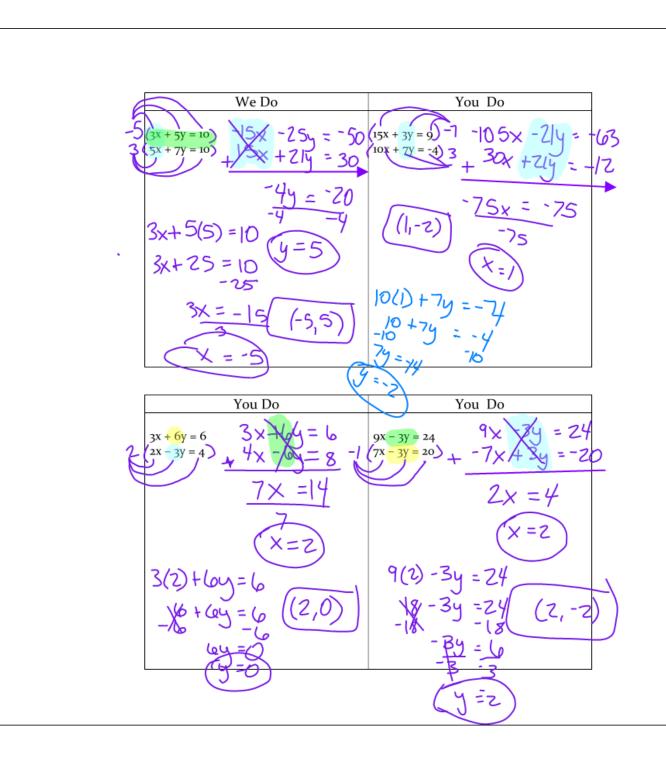
## **Solving Systems by Elimination**

## **Example 1: Solving Systems of Linear Equations**

Solve the system of linear equations by elimination.





You Do	You Do
x + 2y = 9 - $x + 2y = 7$ - $x +$	(2x - 3y = -11) $(3x + 2y = 29)$ $-10x - 4y = -58$
$\frac{2x = -2}{x = -1}$ $-1+2y = 9$	-1 <u>3</u> 4 = -9 1 -13 (4 = 7)
2y =10 (-1, 5)	2x - 3(7) = -11 $2x - 21 = -1/$ $2x = 10$ $(5,1)$ $2x = 10$

You Do	You Do
-2x + 3y = 25 $-2x + 6y = 58$	-x + 8y = -32 3x - y = 27

Misti is	e 2: Application selling candy for \$5 per can and chips for \$8 per can. If she se
	f 240 cans and receives a total of \$1,614, how many of each did
	I Do
Kailee is	selling candy for \$2 per can and chips for \$5 per can. If she
	otal of 220 cans and receives a total of \$695, how many of each
did she	
	We Do