Solve the following system by elimination:

$$3x - 4y = 14$$
$$3x + 7y = -8$$

Example 2: Solve by elimination.

a) $3x + 2y = 28$
       $5x - 3y = 15$

Sometimes, neither _____ or
_____ will eliminate a variable.
When this happens, we use
_____ to write a system of
_____ equations that will
result in a variable being eliminated by
addition or subtraction.

b) $-2x + 5y = 3$
   $3x - y = 2$

Try it on your own or with a partner!

$4x + 5y = 7$

$2x - 3y = 9$

Homework: pg. 217 # 3, 4 (a, c, d)