Solve each system of equations with Elimination.

$$4j + 15k = -53$$

$$5(-7j + 3k = 5)$$

$$4j + 15k = -53$$

$$-7j + 3k = 5$$

$$-8 + 15k = -53$$

$$-8 + 15k = -53$$

$$-8 + 15k = -45$$

Solve this system of equations using Elimination.

$$9(12x - 4y = 28)$$
  
 $4(27x - 9y = 63)$ 

108x - 36y = 252108x - 36y = 252

many Sol. (They are the same)

Solve each system of equations with Elimination.

15(13m - 24n = 2)

You can always use the product of the 2 wefficients

13(15m - 16n = 14)

You can always use the product of the 2 wefficients

to eliminate a variable.

This may lead to bigger #'s than

$$195m - 360 = 30$$
 coefficients

but it always  $15m - 16 = 14$ 
 $-152n = -152$  works

Sol:

(2,1)

Could you use Elmination to solve this system of equations?

$$y = 5x - 3$$

$$y = 5x - 3$$

$$y = 2x + 9$$

$$y = 2x + 9$$

$$y = 3y - 12$$

$$+12$$

$$12 = 3x$$

$$x = 4$$

$$y = 3x - 12$$

$$y = 10$$

$$y = 10$$