

Multiply the first equation by 4:  $12x + 4y = 52$

Add this to  $2x - 4y = 32$  to get:  $14x = 84$

Solve for  $x$  to get  $x = 6$ , and substitute this into the first equation:

$3(6) + y = 13$  or  $18 + y = 13$ , so  $y = -5$