Question	Solve the simultaneous equations $4x = 2x = 22$	Solve the simultaneous equations $4x + 2x = 44$	Solve the simultaneous equations -3x + 4y = 14
	4x - 3y = 22 $2x + 3y = 20$	4x + 3y = 44 $2x + 3y = 28$	3x + 2y = 16
Are we eliminating x or y?	У	У	x
Do we need to add or subtract our equations?	$ \begin{array}{r} + & 4x - 3y = 22 \\ 2x + 3y = 20 \\ \hline & 6x + 0y = 42 \\ & 6x = 42 \end{array} $	$-\frac{4x + 3y = 44}{2x + 3y = 28}$ $2x + 0y = 16$ $2x = 16$	$ \begin{array}{r} -3x + 4y = 14 \\ + & 3x + 2y = 16 \\ 0x + 6y = 30 \\ 6y = 30 \end{array} $
Solve for the first variable	$6x = 42$ $\div 6 \qquad \div 6$ $x = 7$	$2x = 16$ $\div 2 \qquad \div 2$ $x = 8$	$6y = 30$ $\div 6 \qquad \div 6$ $y = 5$
Substitute into either equation	4x - 3y = 22 4(7) - 3y = 22 28 - 3y = 22	4x + 3y = 44 4(8) + 3y = 44 32 + 3y = 44	3x + 2y = 16 $3x + 2() = 16$
Solve for second variable	$28 - 3y = 22$ $-28 \qquad -28$ $-3y = -6$ $\div -3 \qquad \div -3$ $y = 2$	32 + 3y = 44 $y = 44$	x =

Question	Solve the simultaneous equations 3x + 4y = 33 3x + 2y = 21	Solve the simultaneous equation 4x + 3y = 40 2x + 3y = 26	Solve the simultaneous equations 4x - 3y = 16 2x + 3y = 44
Are we eliminating x or y?			
Do we need to add or subtract our equations?	3x + 4y = 33 $3x + 2y = 21$ $0x + 6y = 12$ $6y = 12$	$ \begin{array}{r} 4x + 3y = 40 \\ 2x + 3y = 26 \end{array} $	
Solve for the first variable	6 <i>y</i> = 12		
Substitute into either equation			
Solve for second variable			