

Question	$\begin{aligned} 4x - 3y &= 22 \\ 2x + 3y &= 20 \end{aligned}$	$\begin{aligned} 4x + 3y &= 44 \\ 2x + 3y &= 28 \end{aligned}$	$\begin{aligned} 4x - 3y &= 14 \\ 2x + 3y &= 16 \end{aligned}$	$\begin{aligned} 4x + 3y &= 33 \\ 2x + 3y &= 21 \end{aligned}$
Make sure you have zero pairs	$\begin{array}{r} 4x - 3y = 22 \\ 2x + 3y = 20 \\ \hline 6x \quad = 42 \end{array}$	$\begin{array}{r} 4x + 3y = 44 \\ -2x - 3y = -28 \\ \hline 2x \quad = 16 \end{array}$	$\begin{array}{r} 4x - 3y = 14 \\ 2x + 3y = 16 \\ \hline 6x \quad = 30 \end{array}$	$\begin{array}{r} 4x + 3y = 33 \\ -2x - 3y = -21 \\ \hline 2x \quad = 12 \end{array}$
Solve for first variable	$\begin{array}{l} \div 6 \left( \begin{array}{l} 6x = 42 \\ x = 7 \end{array} \right) \div 6 \end{array}$	$\div 2 \left( \begin{array}{l} 2x = 16 \\ x = 8 \end{array} \right) \div 2$	$\div 6 \left( \begin{array}{l} 6x = 30 \\ x = 5 \end{array} \right) \div 6$	$\div 2 \left( \begin{array}{l} 2x = 12 \\ x = 6 \end{array} \right) \div 2$
Substitute into either equation	$\begin{aligned} 4x - 3y &= 22 & x &= 7 \\ 4 \times (7) - 3y &= 22 \\ 28 - 3y &= 22 \end{aligned}$	$\begin{aligned} 4x + 3y &= 44 & x &= 8 \\ 4 \times (8) + 3y &= 44 \\ 32 + 3y &= 44 \end{aligned}$	$\begin{aligned} 4x - 3y &= 14 & x &= 5 \\ 4 \times (5) - 3y &= 14 \\ 20 - 3y &= 14 \end{aligned}$	
Solve for second variable	$\begin{array}{l} -28 \left( \begin{array}{l} 28 - 3y = 22 \\ -3y = -6 \end{array} \right) -28 \\ \div -3 \left( \begin{array}{l} -3y = -6 \\ y = 2 \end{array} \right) \div -3 \end{array}$	$\begin{array}{l} -32 \left( \begin{array}{l} 32 + 3y = 44 \\ 3y = 12 \end{array} \right) -32 \end{array}$		

Question	$\begin{aligned} 4x - 3y &= 21 \\ 2x + 3y &= 33 \end{aligned}$	$\begin{aligned} 4x + 3y &= 40 \\ 2x + 3y &= 26 \end{aligned}$	$\begin{aligned} 4x - 3y &= 16 \\ 2x + 3y &= 44 \end{aligned}$	$\begin{aligned} 4x + 3y &= 54 \\ 2x + 3y &= 36 \end{aligned}$
Make sure you have zero pairs	$\begin{aligned} \cancel{4x} - \cancel{3y} &= 21 \\ 2x + \cancel{3y} &= 33 \\ \hline 6x &= 54 \end{aligned}$	$\begin{aligned} \cancel{4x} + \cancel{3y} &= 40 \\ -2x - \cancel{3y} &= -26 \\ \hline \end{aligned}$		
Solve for first variable				
Substitute into either equation				
Solve for second variable				