Question	$x + y = 5$ $2x + 4y = 18$	$2x - y = 8$ $7x + 3y = 41$	$2x + 3y = 11$ $4x + 8y = 28$	$3x - 2y = 7$ $4x + 4y = 36$
Scale	$x + y = 5$ $\xrightarrow{\times 2}$ $2x + 2y = 10$ $2x + 4y = 18$ $\quad\quad$ $2x + 4y = 18$	$2x - y = 8$ $\xrightarrow{\times 3}$ $6x - 3y = 24$ $7x + 3y = 41$ $\quad\quad$ $7x + 3y = 41$	$2x + 3y = 11$ $\xrightarrow{\times 2}$ $4x + 6y = 22$ $4x + 8y = 28$ $\quad\quad$ $4x + 8y = 28$	$3x - 2y = 7$ $\xrightarrow{\times 2}$ $6x - 4y = 14$ $4x + 4y = 36$ $\quad\quad$ $4x + 4y = 36$
Make sure you have zero pairs	$-2x - 2y = -10$ $2x + 4y = 18$ $2y = 8$	$6x - 3y = 24$ $7x + 3y = 41$ $13x = 65$	$-4x - 6y = -22$ $4x + 8y = 28$ $2y = 6$	$6x - 4y = 14$ $4x + 4y = 36$ $10x = 50$
Solve for first variable	$\div 2$ ($2y = 8$; $y = 4$) $\div 2$	$\div 13$ ($13x = 65$; $x = 5$) $\div 13$	$\div 2$ ($2y = 6$; $y = 3$) $\div 2$	$10x = 50$
Substitute into either equation	$x + y = 5$ $\quad y = 4$ $x + (4) = 5$	$2x - y = 8$ $\quad x = 5$ $2 \times (5) - y = 8$ $10 - y = 8$	$2x + 3y = 11$ $\quad y = 3$ $2x + 3 \times (3) = 11$ $2x + 9 = 11$	
Solve for second variable	-4 ($x + 4 = 5$; $x = 1$) -4	$10 - y = 8$		
Check				

Question	$x + 2y = 7$ $3x + 8y = 23$	$5x + 2y = 41$ $2x - 4y = 2$	$x + 3y = 13$ $2x + 8y = 32$	$2x + 3y = 16$ $7x - 12y = 11$
Scale	$x + 2y = 7$ $\times 3$ → $3x + 6y = 21$ $3x + 8y = 23$ $3x + 8y = 23$	$5x + 2y = 41$ $\times 2$ → $10x + 4y = 82$ $2x - 4y = 2$ $2x - 4y = 2$	$x + 3y = 13$ $\times 2$ → $2x + 6y = 26$ $2x + 8y = 32$ $2x + 8y = 32$	$2x + 3y = 16$ $\times$ → $7x - 12y = 11$
Make sure you have zero pairs	$-3x - 6y = -21$ $3x + 8y = 23$ $2y = 2$	$10x + 4y = 82$ $2x - 4y = 2$		
Solve for first variable				
Substitute into either equation				
Solve for second variable				
Check				

Question	$2x + 7y = 34$ $3x + 2y = 17$	$2x + 5y = 24$ $3x + 7y = 34$	$3x + 2y = -\ 8$ $4x + 5y = -13$	$3x + 5y = 51$ $7x + 2y = 61$
Scale	$2x + 7y = 34 \xrightarrow{\times 3} 6x + 21y = 102$ $3x + 2y = 17 \xrightarrow{\times 2} 6x + 4y = 34$	$2x + 5y = 24 \xrightarrow{\times 3}$ $3x + 7y = 34 \xrightarrow{\times 2}$		
Make sure you have zero pairs	$-6x - 21y = -102$ $6x + 4y = 34$			
Solve for first variable				
Substitute into either equation				
Solve for second variable				
Check				