
Use substitution or elimination.

Problem	Answer	Problem	Answer
1. $4x - 1y = -29$; $4x + 3y = -9$		9. $x + y = 2$; $x - y = -4$	
2. $5x - 3y = -15$; $2x + 6y = 30$		10. $3x - 1y = 18$; $-3x + 4y = -18$	
3. $1x + 3y = 1$; $-1x + 4y = 6$		11. $4x + 5y = 40$; $4x + 1y = 24$	
4. $2x + 1y = 0$; $-3x + 5y = -39$		12. $1x + 1y = 10$; $2x + 5y = 32$	
5. $5x - 4y = 0$; $-3x + 4y = 0$		13. $4x + 4y = 16$; $1x + 5y = 4$	
6. $4x + 1y = -16$; $-3x + 4y = -7$		14. $1x + 1y = -2$; $-3x + 4y = 27$	
7. $2x + 1y = 1$; $2x + 5y = 13$		15. $2x + 1y = -14$; $4x + 4y = -36$	
8. $5x + 1y = -20$; $-1x + 3y = 4$		16. $2x + 1y = 6$; $-1x + 3y = 18$	

Notes

Answer key — Solve each system

#	Problem	Answer
1	$4x - 1y = -29; 4x + 3y = -9$	$x = -6, y = 5$
2	$5x - 3y = -15; 2x + 6y = 30$	$x = 0, y = 5$
3	$1x + 3y = 1; -1x + 4y = 6$	$x = -2, y = 1$
4	$2x + 1y = 0; -3x + 5y = -39$	$x = 3, y = -6$
5	$5x - 4y = 0; -3x + 4y = 0$	$x = 0, y = 0$
6	$4x + 1y = -16; -3x + 4y = -7$	$x = -3, y = -4$
7	$2x + 1y = 1; 2x + 5y = 13$	$x = -1, y = 3$
8	$5x + 1y = -20; -1x + 3y = 4$	$x = -4, y = 0$
9	$x + y = 2; x - y = -4$	$x = -1, y = 3$
10	$3x - 1y = 18; -3x + 4y = -18$	$x = 6, y = 0$
11	$4x + 5y = 40; 4x + 1y = 24$	$x = 5, y = 4$
12	$1x + 1y = 10; 2x + 5y = 32$	$x = 6, y = 4$
13	$4x + 4y = 16; 1x + 5y = 4$	$x = 4, y = 0$
14	$1x + 1y = -2; -3x + 4y = 27$	$x = -5, y = 3$
15	$2x + 1y = -14; 4x + 4y = -36$	$x = -5, y = -4$
16	$2x + 1y = 6; -1x + 3y = 18$	$x = 0, y = 6$

Notes