

SYSTEMS of EQUATIONS

ELIMINATION METHOD

1	$x - 3y = -5$ $x + 3y = 1$	(-2,1) GREEN	(1,-2) BLUE	(-1,-2) ORANGE	(1,2) YELLOW
2	$-x - y = -9$ $x - y = 3$	(6,-3) ORANGE	(6,3) YELLOW	(-6,3) SILVER	(-6,-3) GREEN
3	$2x + 8y = 22$ $8x - 8y = 8$	(-8,4) PURPLE	(3,2) GOLD	(3,-4) WHITE	(3,4) DARK BLUE
4	$4x - 2y = -20$ $7x + 2y = -2$	(-6,-2) BLACK	(-6,2) GREEN	(-2,6) MAROON	(-2,-6) BLUE
5	$-2x - 8y = -16$ $2x - 7y = -14$	(0,2) SILVER	(-2,0) RED	(0,5) YELLOW	(2,0) ORANGE
6	$4x - 3y = 1$ $-8x + 6y = -2$	(6,6) SILVER	(-6,6) GREEN	<i>infinite number of solutions</i> LIGHT GREEN	<i>no solution</i> GOLD
7	$-x + 2y = 21$ $5x + 6y = 23$	(5,6) PINK	(5,-8) BROWN	(-5,8) WHITE	(1,6) DARK BLUE
8	$-3x + 10y = 11$ $-8x + 2y = -20$	(2,-3) ORANGE	(3,-2) MAROON	(2,3) GREEN	(3,2) PINK
9	$4x + 16y = -19$ $-2x - 8y = 10$	<i>infinite number of solutions</i> PURPLE	<i>no solution</i> BROWN	(-8,-3) YELLOW	(-8,5) LIGHT PINK
10	$2x + 6y = -2$ $-x + 2y = 6$	(4,1) RED	(4,-7) SILVER	(-4,1) BLACK	(-4,-7) COLOR
11	$-8x - y = -13$ $5x - 3y = -10$	(1,5) DARK BLUE	(1,-5) BLUE	(-1,-5) PURPLE	(-1,5) PINK
12	$-4x + 6y = 4$ $-x + 8y = 1$	(0,-1) GREEN	(8,0) YELLOW	(8,4) ORANGE	(-1,0) RED
13	$-x + y = -5$ $7x - 3y = 23$	(6,3) GOLD	(2,3) WHITE	<i>infinite number of solutions</i> BLACK	(2,-3) PURPLE
14	$-9x - 5y = 26$ $4x - 4y = -24$	(-4,2) ORANGE	(2,-6) BLUE	(-7,6) SILVER	(2,6) GREEN

