

Solve the 15 systems of equations in x and y given below. Find your answer (in lowest terms; the x value first, and the y value second) in the maze and circle it. After all correct solutions have been circled, you will have the path out of the maze by following the circles, but you can't cross a point that isn't circled.

1. $x + y = 9$
2. $2x + 4y = 100$
3. $x + 6y = 7$
4. $-13x - 17y = 15$
5. $4x + 13y = 0$
6. $x + y = 1$
7. $7x - y = 0$
8. $-x - 2y = 2$
9. $3x - y = 54$
10. $-5x + 2y = -2$
11. $4x - y = 1$
12. $x + y = 3$
13. $10x - 19y = 83$
14. $-7x - 9y = -15$
15. $11x + 18y = -24$
6. $x + y = 1$
- $3x - y = -1$
- $7x - y = 0$
- $-x - 2y = 2$
- $3x - 5y = -61$
- $3x - y = 54$
- $-5x + 2y = -2$
- $4x - y = 1$
- $13x - 8y = -11$
- $x + y = 3$
- $10x - 19y = 83$
- $-7x - 9y = -15$
- $11x + 18y = -24$
- $2x + 7y = 49$
- $-2x - 9y = 1$
- $22x - 15y = 20$

