

# SYSTEMS OF EQUATIONS

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Pd: \_\_\_\_\_

## Maze #1

Instructions: Solve each system of equations to make it correctly through the maze. Shade or color your path as you go.

**START**

$$\begin{aligned}y &= \frac{1}{3}x + 12 \\ -x + 6y &= 78\end{aligned}$$

(-6, 10)

$$\begin{aligned}y &= 5x + 18 \\ -2x + 2y &= -4\end{aligned}$$

(-3, 3)

$$\begin{aligned}y &= -15x - 5 \\ 11x + y &= -17\end{aligned}$$

(-1, 10)

$$\begin{aligned}y &= -4x + 20 \\ \frac{1}{4}x + \frac{1}{4}y &= -1\end{aligned}$$

(6, 14)

$$\begin{aligned}x + y &= 29 \\ y &= 4x - 11\end{aligned}$$

(9, 20)

$$\begin{aligned}\frac{1}{3}x + \frac{1}{4}y &= -10 \\ y &= 12x\end{aligned}$$

(-4, 2)

$$\begin{aligned}y &= \frac{5}{6}x + 10 \\ -x + 6y &= -12\end{aligned}$$

(12, 20)

$$\begin{aligned}y &= -\frac{3}{2}x + 15 \\ 2x + 6y &= 48\end{aligned}$$

(7, 22)

(-3, -36)

$$\begin{aligned}y &= -9x + 14 \\ -9x + y &= -22\end{aligned}$$

(2, 3)

$$\begin{aligned}y &= \frac{2}{5}x + 9 \\ -3x + 5y &= 35\end{aligned}$$

(5, 17)

$$\begin{aligned}y &= 6x - 13 \\ x + y &= 22\end{aligned}$$

**FINISH!**

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## Maze #2

Instructions: Solve each system of equations to make it correctly through the maze. Shade or color your path as you go.

START

$$\begin{aligned}-2x + y &= 4 \\ 3x + y &= 9\end{aligned}$$

(1, 6)

$$\begin{aligned}-4x + 5y &= -53 \\ x + y &= 11\end{aligned}$$

(12, -1)

$$\begin{aligned}-9x + 3y &= -3 \\ x - y &= -3\end{aligned}$$

(2, 5)

$$\begin{aligned}4x + 6y &= 30 \\ \frac{1}{3}x + y &= 6\end{aligned}$$

(3, 14)

(20, 25)

(8, 3)

(13, 2)

(3, 6)

(-3, 1)

(6, 1)

$$\begin{aligned}-x + 2y &= 30 \\ 3x - y &= 35\end{aligned}$$

(10, 20)

$$\begin{aligned}3x - 4y &= 3 \\ -2x + y &= 13\end{aligned}$$

(7, 3)

$$\begin{aligned}-\frac{2}{3}x + y &= -6 \\ -3x + 5y &= -24\end{aligned}$$

(18, 6)

$$\begin{aligned}2x + y &= 1 \\ 3x + 2y &= 5\end{aligned}$$

(12, 1)

(-11, 9)

(-4, 5)

(5, -1)

(21, 8)

(-4, 9)

(-3, 7)

FINISH!

(2, -4)

$$\begin{aligned}x + y &= 11 \\ -2x + 7y &= -4\end{aligned}$$

(3, -5)

$$\begin{aligned}3x - y &= 14 \\ -x + 8y &= 3\end{aligned}$$

(-7, 7)

$$\begin{aligned}-3x - 2y &= 7 \\ 6x + 7y &= 7\end{aligned}$$

# SYSTEMS OF EQUATIONS

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$$\begin{aligned}y &= -15x - 5 \\ 11x + y &= -17\end{aligned}$$

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$$\begin{aligned}x + y &= 29 \\ y &= 4x - 11\end{aligned}$$

(6, 14)

(8, 21)

(-3, 3)

(-2, 8)

(3, -50)

(-18, -5)

(8, -12)

(9, 20)

$$\begin{aligned}\frac{1}{3}x + \frac{1}{4}y &= -10 \\ y &= 12x\end{aligned}$$

(-9, -24)

$$\begin{aligned}y &= \frac{5}{6}x + 10 \\ -x + 6y &= -12\end{aligned}$$

(12, 20)

$$\begin{aligned}y &= -\frac{3}{2}x + 15 \\ 2x + 6y &= 48\end{aligned}$$

$$\begin{aligned}y &= -9x + 14 \\ -9x + y &= -22\end{aligned}$$

(7, 22)

(-3, -36)

(-4, 2)

(10, 13)

(2, 3)

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(3, 14)

(20, 25)

(8, 3)

(13, 2)

(3, 6)

(-3, 7)

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$$\begin{aligned}-x + 2y &= 30 \\ 3x - y &= 35\end{aligned}$$

(10, 20)

$$\begin{aligned}3x - 4y &= 3 \\ -2x + y &= 13\end{aligned}$$

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(-4, 5)

(5, -1)

(21, 8)

(-4, 9)

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FINISH!

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