Task card 1 Systems of Three Equations

Solve the system.

$$\begin{cases} x + y + z = 4 \\ y + 2z = 5 \\ 2z = 4 \end{cases}$$

Task card 2 Systems of Three Equations

Solve the system.

$$\begin{cases} x + y + z = 2 \\ y - z = -4 \\ 2z = 4 \end{cases}$$

Task card 3 Systems of Three Equations

Solve the system.

$$\begin{cases} x + y + z = -4 \\ y - 2z = 3 \\ 3z = -6 \end{cases}$$

Task card 4 Systems of Three Equations

Solve the system.

$$\begin{cases} x - y + z = -1 \\ y + z = -1 \\ 3z = -6 \end{cases}$$

Task card 5 Systems of Three Equations

Solve the system.

$$\begin{cases} x - y + z = -3 \\ y - z = 1 \\ z = -2 \end{cases}$$

Task card 6 Systems of Three Equations

Solve the system.

$$\begin{cases} x + 2y - z = -2 \\ y + 2z = -6 \\ z = -2 \end{cases}$$

Task card 7 Systems of Three Equations

Solve the system.

$$\begin{cases} x + 2y + z = -2 \\ y - z = -2 \\ z = 0 \end{cases}$$

Task card 8 Systems of Three Equations

Solve the system.

$$\begin{cases} x + y + z = -2 \\ y + z = -3 \\ 2z = -4 \end{cases}$$

Task card 9 Systems of Three Equations

Solve the system.

$$\begin{cases} x + y + z = -1 \\ y + z = 1 \\ 3z = 0 \end{cases}$$

Task card 10 Systems of Three Equations

Solve the system.

$$\begin{cases} x + 2y - z = 2 \\ y + 2z = -5 \\ 3z = -9 \end{cases}$$

Task card 11 Systems of Three Equations

Solve the system.

$$\begin{cases} x + y + z = 3 \\ y + z = 0 \\ z = -3 \end{cases}$$

Task card 12 Systems of Three Equations

Solve the system.

$$\begin{cases} x + 2y - z = -2 \\ y - z = -2 \\ 3z = 0 \end{cases}$$

Task card 13 Systems of Three Equations

Solve the system.

$$\begin{cases} x + y + z = 1 \\ y - z = -2 \\ z = 1 \end{cases}$$

Task card 14 Systems of Three Equations

Solve the system.

$$\begin{cases} x + y + z = 2 \\ y + z = 1 \\ z = 0 \end{cases}$$

Task card 15 Systems of Three Equations

Solve the system.

$$\begin{cases} x + 2y + z = 7 \\ y + z = 4 \\ z = 1 \end{cases}$$

Task card 16 Systems of Three Equations

Solve the system.

$$\begin{cases} x - y - z = -2 \\ y - 2z = 1 \\ 3z = 3 \end{cases}$$

Task card 17 Systems of Three Equations

Solve the system.

$$\begin{cases} x + y = -2 \\ x + 2y = -4 \\ 2x - y + z = -1 \end{cases}$$

Task card 18 Systems of Three Equations

Solve the system.

$$\begin{cases} x + y + z = -4 \\ -y + z = 1 \\ x + 2y - z = -5 \end{cases}$$

Task card 19 Systems of Three Equations

Solve the system.

$$\begin{cases} x + y + z = 3 \\ x - z = -2 \\ x - y + z = -3 \end{cases}$$

Task card 20 Systems of Three Equations

Solve the system.

$$\begin{cases} y - z = 5 \\ x + y + z = 0 \\ x - z = 1 \end{cases}$$

Task card 21 Systems of Three Equations

Solve the system.

$$\begin{cases} x + y - z = 0 \\ x - y + z = 0 \\ 2y - z = 1 \end{cases}$$

Task card 22 Systems of Three Equations

Solve the system.

$$\begin{cases} -x + y = 6 \\ 2x + 2z = -8 \\ x + y + z = -1 \end{cases}$$

Task card 23 Systems of Three Equations

Solve the system.

$$\begin{cases} -x + 2y + z = 3 \\ y - z = 0 \\ -x + y = -1 \end{cases}$$

Task card 24 Systems of Three Equations

Solve the system.

$$\begin{cases} 2x + 2z = 8 \\ 2x + 2y = -4 \\ x + 2y = -5 \end{cases}$$

Systems of Three Equations Task Cards

Recording sheet · Grade 11 · Solve each system. Write the answer as an ordered triple (x, y, z).

Name: _____ Date: _____

Scan to check your answers

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Systems of Three Equations Task Cards: Answer Key

Grade 11 · Easy

The answers online

1. (1, 1, 2)	**2.** (2, -2, 2)	**3.** (-1, -1, -2)
4. (2, 1, -2)	**5.** (-2, -1, -2)	**6.** (0, -2, -2)
7. (2, -2, 0)	**8.** (1, -1, -2)	**9.** (-2, 1, 0)
10. (-3, 1, -3)	**11.** (3, 3, -3)	**12.** (2, -2, 0)
13. (1, -1, 1)	**14.** (1, 1, 0)	**15.** (0, 3, 1)
16. (2, 3, 1)	**17.** (0, -2, -3)	**18.** (-3, -1, 0)
19. (-1, 3, 1)	**20.** (-1, 3, -2)	**21.** (0, 1, 1)
22. (-3, 3, -1)	**23.** (3, 2, 2)	**24.** (1, -3, 3)