Task card 1 Systems of Three Equations

Solve the system.

$$\begin{cases} 2y = 4 \\ x + 2y + z = 2 \\ -x + z = 0 \end{cases}$$

Task card 2 Systems of Three Equations

Solve the system.

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

Task card 3 Systems of Three Equations

Solve the system.

$$\begin{cases} x - y - z = -10 \\ 2x + y + z = 4 \\ 2x + z = 0 \end{cases}$$

Task card 4 Systems of Three Equations

Solve the system.

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

Task card 5 Systems of Three Equations

Solve the system.

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

Task card 6 Systems of Three Equations

Solve the system.

$$\begin{cases} y - z = 6 \\ 2x + y = 7 \\ x + y - z = 8 \end{cases}$$

Task card 7 Systems of Three Equations

Solve the system.

$$\begin{cases} x + y = 1 \\ x + z = 0 \\ 2x - y + z = 5 \end{cases}$$

Task card 8 Systems of Three Equations

Solve the system.

$$\begin{cases} 2y + 2z = -12 \\ x + y + 2z = -6 \\ -y = 3 \end{cases}$$

Task card 9 Systems of Three Equations

Solve the system.

$$\begin{cases} -2x + 2y - 3z = -4 \\ -x + 3y - z = 6 \\ 2x + 3y + 3z = 19 \end{cases}$$

Task card 10 Systems of Three Equations

Solve the system.

$$\begin{cases} -x + y + z = 2 \\ 3x + 3y - 3z = -18 \\ x + 3y + z = -6 \end{cases}$$

Task card 11 Systems of Three Equations

Solve the system.

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

Task card 12 Systems of Three Equations

Solve the system.

$$\begin{cases} x + y + z = -9 \\ -x + y + z = -1 \\ -2x - y - 3z = 15 \end{cases}$$

Task card 13 Systems of Three Equations

Solve the system.

$$\begin{cases} -2x - y + z = 6 \\ 3x - 2y - z = -5 \\ 2x - y - z = -4 \end{cases}$$

Task card 14 Systems of Three Equations

Solve the system.

$$\begin{cases} -x - 3y + z = -6 \\ 3x - 3y + z = -22 \\ -x - y + z = 0 \end{cases}$$

Task card 15 Systems of Three Equations

Solve the system.

$$\begin{cases} x - y - 3z = -2 \\ x - 2y - 3z = -5 \\ -x + y - 2z = 7 \end{cases}$$

Task card 16 Systems of Three Equations

Solve the system.

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

Task card 17 Systems of Three Equations

Solve the system.

$$\begin{cases} -2x + y - 2z = -12 \\ -x + y + z = 1 \\ x + 3y - 2z = 4 \end{cases}$$

Task card 18 Systems of Three Equations

Solve the system.

$$\begin{cases} x + y - z = 0 \\ -x - 3y - z = 4 \\ -x - y + 3z = 2 \end{cases}$$

Task card 19 Systems of Three Equations

Solve the system.

$$\begin{cases} x + y + 3z = 19 \\ -3x + y + 2z = 7 \\ x - 3y - z = -17 \end{cases}$$

Task card 20 Systems of Three Equations

Solve the system.

$$\begin{cases} -3x - y - z = 16 \\ -x - 2y - z = 5 \\ -x - 2y + z = 1 \end{cases}$$

Task card 21 Systems of Three Equations

Solve the system.

$$\begin{cases} 3x + y + z = 13 \\ 3x + y - 2z = 25 \\ -x + 2y + 2z = -9 \end{cases}$$

Task card 22 Systems of Three Equations

Solve the system.

$$\begin{cases} -3x - 3y + 2z = -1 \\ x - 3y + 3z = -14 \\ -x + y + 2z = -9 \end{cases}$$

Task card 23 Systems of Three Equations

Solve the system.

$$\begin{cases} 3x - y + 3z = -10 \\ -x - 2y - z = 8 \\ -3x + y + 2z = -5 \end{cases}$$

Task card 24 Systems of Three Equations

Solve the system.

$$\begin{cases} 3x - 3y - 2z = -5 \\ -3x + y - z = 13 \\ x - y - 3z = 3 \end{cases}$$

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 · Medium

The answers online

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