

Three-Variables Linear Equations ($ax+by+cz=d$)

Name: _____

Date: _____ Score: _____

$$\begin{aligned}1. \quad & 2x + 3y + 1z = 27 \\& 6x + 1y + 4z = 18 \\& 2x - 2y - 6z = -20\end{aligned}$$

$$\begin{aligned}2. \quad & 1x - 2y + 4z = 26 \\& 2x + 4y + 6z = 70 \\& 1x - 4y - 3z = -31\end{aligned}$$

$$\begin{aligned}3. \quad & 5x - 5y + 4z = 41 \\& 5x - 4y - 2z = 18 \\& 3x + 3y + 1z = 25\end{aligned}$$

$$\begin{aligned}4. \quad & 1x - 3y + 5z = 27 \\& 3x + 6y - 6z = 18 \\& 5x - 4y - 5z = -28\end{aligned}$$

$$\begin{aligned}5. \quad & 2x + 5y + 4z = 49 \\& 6x + 5y + 3z = 74 \\& 1x - 5y + 4z = 31\end{aligned}$$

$$\begin{aligned}6. \quad & 3x + 2y - 5z = 10 \\& 1x + 1y - 3z = -2 \\& 6x + 6y + 4z = 120\end{aligned}$$