

**Readiness Assurance Test**

Choose the most appropriate response for each question.

31) Which of the following is a solution to the system of linear equations

$$\begin{aligned}x + 3y - z &= 2 \\ 2x + 8y + 3z &= -1 \\ -x - y + 9z &= -10\end{aligned}$$

(a)  $\begin{bmatrix} 1 \\ 0 \\ -1 \end{bmatrix}$

(b)  $\begin{bmatrix} 1 \\ 1 \\ 0 \end{bmatrix}$

(c)  $\begin{bmatrix} 0 \\ 1 \\ -1 \end{bmatrix}$

(d)  $\begin{bmatrix} 1 \\ -1 \\ 1 \end{bmatrix}$