

REDEMPTION [Inverse Matrices]**Solve each equation.**

1) $2B = \begin{bmatrix} 0 & 18 \\ 8 & 16 \end{bmatrix}$

2) $\begin{bmatrix} 1 & 0 \\ 3 & -5 \end{bmatrix} C = \begin{bmatrix} -3 \\ 11 \end{bmatrix}$

Solve each system of linear equations using inverses.

3)
$$\begin{aligned} 4x + 3y &= 12 \\ -4x + 5y &= 20 \end{aligned}$$

4)
$$\begin{aligned} -x + 4y - 3z &= 7 \\ -3y - z &= -7 \\ -x + y - z &= 3 \end{aligned}$$

REDEMPTION [Inverse Matrices]**Solve each equation.**

1) $2B = \begin{bmatrix} 0 & 18 \\ 8 & 16 \end{bmatrix}$

$$\begin{bmatrix} 0 & 9 \\ 4 & 8 \end{bmatrix}$$

2) $\begin{bmatrix} 1 & 0 \\ 3 & -5 \end{bmatrix} C = \begin{bmatrix} -3 \\ 11 \end{bmatrix}$

$$\begin{bmatrix} -3 \\ -4 \end{bmatrix}$$

Solve each system of linear equations using inverses.

3) $4x + 3y = 12$
 $-4x + 5y = 20$

$$(0, 4)$$

4) $-x + 4y - 3z = 7$
 $-3y - z = -7$
 $-x + y - z = 3$

$$(-2, 2, 1)$$