

Practice

Using Augmented Matrices

Solve each system of equations by using augmented matrices.

1. $5x + 9y = 19$
 $2x - y = -20$

2. $2x + y - 3z = -3$
 $3x + 2y + 4z = 5$
 $-4x - y + 2z = 4$

3. $4x - 3y - z = -3$
 $5x + 2y + 2z = 7$
 $3x + 3y + z = 10$

4. $x + 2z = 11$
 $2x + y = 4$
 $x + 3y + z = 1$

5. $2x + y + z = 2$
 $-x - y + 2z = 7$
 $-3x + 2y + 3z = 7$

6. $3x - 2y + 5z = -14$
 $x + 5y - 3z = 18$
 $-2x - 3y + 8z = -8$

7. $2x - y + z = 4$
 $x + y - z = 11$
 $4x - 2y + 2z = 5$

8. $3x - 2y + 4z = 8$
 $x + y - 3z = 1$
 $6x - 4y + 8z = 16$