

Trigonometry & 3-Space 12

Solving Systems of Equations Using Matrices

$$x + y + 3z = 12$$

1. $x - y + 4z = 11$
 $2x + y + 3z = 13$

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

2. $3x - 2y + 3z = -10$
 $x + y - z = -2$

$$3x + 5y - z = 47$$

3. $2x - y + 3z = -2$
 $4x + y - 2z = 30$

$$3x - 4y + 5z = 26$$

4. $6x - 2y - 3z = -39$
 $x + 3y - 4z = -31$

$$4x - 3y - 2z = 31$$

5. $5x - y - 4z = 28$
 $7x - 3y + 5z = 26$