

Student Name: _____

Score: _____

Equation in matrix

1. $2x + 3y = 10$

$5x + 4y = 3$ _____

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

$x + 7y + 2z = 5$ _____

3. $-2m + n + 8p =$

$8m + 2n - 5p =$

$-m - 5n + p =$

4. $5u + 3v - 2w =$

$-u + 7v - 5w =$

5. $m + 2n = 11$

$-n = 2$

6. $m + 9n + 6p =$

$2m - 8p =$

$3m - 6n + 2p =$

7. $2u - 6v = -8$

$5u + 3v = -7$

8. $4u + v = -12$

$-u + 7v = 45$

$8u = 31$ _____

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Student Name: _____

Score: _____

Answer Key

Equation in matrix

1. $2x + 3y = 10$
 $5x + 4y = 3$

$$\left[\begin{array}{cc|c} 2 & 3 & 10 \\ 5 & 4 & 3 \end{array} \right]$$

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

$$\left[\begin{array}{ccc|c} 5 & 3 & -1 & 4 \\ 1 & 7 & 2 & 5 \end{array} \right]$$

3. $-2m + n + 8p = 6$
 $8m + 2n - 5p =$
 $-m - 5n + p =$

4. $5u + 8v - 2w =$
 $-u + 7v - 5w =$

5. $m + 2n = 11$
 $-n = 2$

6. $m + 9n + 6p =$
 $2m - 8p =$
 $3m - 6n + 2p =$

7. $2u - 6v = -8$
 $5u + 3v = -7$

8. $4u + v = -12$
 $-u + 7v = 45$
 $8u = 31$

$$\left[\begin{array}{cc|c} 4 & 1 & -12 \\ -1 & 7 & 45 \\ 3 & 0 & 31 \end{array} \right]$$

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