

Augmented Matrices ... Set 1

Use the Augmented Matrix to solve the systems

Solve each system by elimination.

$$\begin{array}{l} 1) \quad 3x + 2y = 0 \\ \quad 10x + 3y = 22 \end{array}$$

$$\begin{array}{l} 2) \quad -8x + 9y = 16 \\ \quad -9x - 2y = 18 \end{array}$$

$$\begin{array}{l} 3) \quad -5x - 5y = -20 \\ \quad 2x + 9y = -6 \end{array}$$

$$\begin{array}{l} 4) \quad 10x - 6y = 20 \\ \quad -8x - 8y = -16 \end{array}$$

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Answers

Answers to Use the Augmented Matrix to solve the systems

1) $(4, -6)$
5) $(4, 2)$

2) $(-2, 0)$
6) $(3, 2)$

3) $(6, -2)$
7) $(1, 5)$

4) $(2, 0)$
8) $(3, 0)$

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$$\begin{array}{l} 5) \quad -9x + 3y = -30 \\ \quad \quad 7x - 4y = 20 \end{array}$$

$$\begin{array}{l} 6) \quad 6x + 3y = 24 \\ \quad \quad -4x - 7y = -26 \end{array}$$

$$\begin{array}{l} 7) \quad 5x - 4y = -15 \\ \quad \quad -7x + 5y = 18 \end{array}$$

$$\begin{array}{l} 8) \quad 7x - 10y = 21 \\ \quad \quad 2x - 3y = 6 \end{array}$$

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Answers

Answers to Use the Augmented Matrix to solve the systems

5) (4, 2)

6) (3, 2)

7) (1, 5)

8) (3, 0)