Find the inverse of

$$\begin{bmatrix} -5 & -3 \\ 7 & 4 \end{bmatrix}$$

For the system $3x + 2y = 18$ and $-x - 5y = -6$, use Cramer's rule to find x.

Find the inverse of

$$\begin{bmatrix} -2 & 3 \\ -3 & 5 \end{bmatrix}$$

Find k so that

$$\begin{bmatrix} k & 7 \\ -7 & -1 \end{bmatrix}$$

Find the inverse of

$$\begin{bmatrix} 4 & 3 \\ -7 & -5 \end{bmatrix}$$

For the system $-3x - 7y = -8$ and $-3x - 6y = -6$, use Cramer's rule to solve the system. Write (x, y).

Find the inverse of

$$\begin{bmatrix} 1 & -7 \\ 1 & -8 \end{bmatrix}$$

Find k so that

$$\begin{bmatrix} k & 1 \\ -5 & -5 \end{bmatrix}$$

Inverse Matrices & Cramer's Rule · 2

ANSWER

$$x = 6$$

Inverse Matrices & Cramer's Rule · 1

ANSWER

$$\begin{bmatrix} 4 & 3 \\ -7 & -5 \end{bmatrix}$$

Inverse Matrices & Cramer's Rule · 4

ANSWER

$$k = 49$$

Inverse Matrices & Cramer's Rule · 3

ANSWER

$$\begin{bmatrix} -5 & 3 \\ -3 & 2 \end{bmatrix}$$

Inverse Matrices & Cramer's Rule · 6

ANSWER

$$(-2, 2)$$

Inverse Matrices & Cramer's Rule · 5

ANSWER

$$\begin{bmatrix} -5 & -3 \\ 7 & 4 \end{bmatrix}$$

Inverse Matrices & Cramer's Rule · 8

ANSWER

$$k = 1$$

Inverse Matrices & Cramer's Rule · 7

ANSWER

$$\begin{bmatrix} 8 & -7 \\ 1 & -1 \end{bmatrix}$$

Inverse Matrices & Cramer's Rule · 9

Find the inverse of

$$\begin{bmatrix} 2 & 1 \\ 1 & 1 \end{bmatrix}$$

Inverse Matrices & Cramer's Rule · 10

For the system -x - 6y = 11 and 3x - 4y = -11, use Cramer's rule to solve the system. Write (x, y).

Inverse Matrices & Cramer's Rule · 11

Find the inverse of

$$\begin{bmatrix} -2 & 1 \\ 1 & 0 \end{bmatrix}$$

Inverse Matrices & Cramer's Rule · 12

Find k so that

$$\begin{bmatrix} k & 7 \\ 8 & 1 \end{bmatrix}$$

Inverse Matrices & Cramer's Rule · 13

Find the inverse of

$$\begin{bmatrix} -5 & -7 \\ -3 & -4 \end{bmatrix}$$

Inverse Matrices & Cramer's Rule · 14

For the system 8x - 5y = -33 and 8x - 4y = -28, use Cramer's rule to solve the system. Write (x, y).

Inverse Matrices & Cramer's Rule · 15

Find the inverse of

$$\begin{bmatrix} 1 & 1 \\ 4 & 5 \end{bmatrix}$$

Inverse Matrices & Cramer's Rule · 16

Find k so that

$$\begin{bmatrix} k & -3 \\ -6 & 2 \end{bmatrix}$$

Inverse Matrices & Cramer's Rule · 10

ANSWER

$$(-5, -1)$$

Inverse Matrices & Cramer's Rule · 9

ANSWER

$$\begin{bmatrix} 1 & -1 \\ -1 & 2 \end{bmatrix}$$

Inverse Matrices & Cramer's Rule · 12

ANSWER

$$k = 56$$

Inverse Matrices & Cramer's Rule · 11

ANSWER

$$\begin{bmatrix} 0 & 1 \\ 1 & 2 \end{bmatrix}$$

Inverse Matrices & Cramer's Rule · 14

ANSWER

$$(-1, 5)$$

Inverse Matrices & Cramer's Rule · 13

ANSWER

$$\begin{bmatrix} 4 & -7 \\ -3 & 5 \end{bmatrix}$$

Inverse Matrices & Cramer's Rule · 16

ANSWER

$$k = 9$$

Inverse Matrices & Cramer's Rule · 15

ANSWER

$$\begin{bmatrix} 5 & -1 \\ -4 & 1 \end{bmatrix}$$

Find the inverse of

$$\begin{bmatrix} 1 & -2 \\ 3 & -7 \end{bmatrix}$$

For the system -9x - 2y = 23 and x - y = -5, use Cramer's rule to find x.

Find the inverse of

$$\begin{bmatrix} 5 & -3 \\ -8 & 5 \end{bmatrix}$$

Find k so that

$$\begin{bmatrix} k & 6 \\ -4 & 3 \end{bmatrix}$$

Find the inverse of

$$\begin{bmatrix} -2 & -5 \\ -3 & -8 \end{bmatrix}$$

For the system -7x + 3y = 3 and -3x - y = -1, use Cramer's rule to find y.

Find the inverse of

$$\begin{bmatrix} 7 & 6 \\ -6 & -5 \end{bmatrix}$$

Find k so that

$$\begin{bmatrix} k & -9 \\ 4 & -1 \end{bmatrix}$$

Inverse Matrices & Cramer's Rule · 18

ANSWER

$$x = -3$$

Inverse Matrices & Cramer's Rule · 17

ANSWER

$$\begin{bmatrix} 7 & -2 \\ 3 & -1 \end{bmatrix}$$

Inverse Matrices & Cramer's Rule · 20

ANSWER

$$k = -8$$

Inverse Matrices & Cramer's Rule · 19

ANSWER

$$\begin{bmatrix} 5 & 3 \\ 8 & 5 \end{bmatrix}$$

Inverse Matrices & Cramer's Rule · 22

ANSWER

$$y = 1$$

Inverse Matrices & Cramer's Rule · 21

ANSWER

$$\begin{bmatrix} -8 & 5 \\ 3 & -2 \end{bmatrix}$$

Inverse Matrices & Cramer's Rule · 24

ANSWER

$$k = 36$$

Inverse Matrices & Cramer's Rule · 23

ANSWER

$$\begin{bmatrix} -5 & -6 \\ 6 & 7 \end{bmatrix}$$