

Name:
AlgebraW2D4ET

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Solve the system for each variable:
(1)

$$\begin{aligned}-9x + 9y &= 63 \\ 9x + 10y &= -25\end{aligned}$$

(2)

$$\begin{aligned}10x + 5y &= -35 \\ -20x + 7y &= 223\end{aligned}$$

(3)

$$\begin{aligned}6x - 3y &= 45 \\ -5x + 9y &= -44\end{aligned}$$

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(1)

$$\begin{aligned}-2x - 9y &= -63 \\ 2x + 4y &= 28\end{aligned}$$

(2)

$$\begin{aligned}-9x + y &= -56 \\ -90x + 9y &= -558\end{aligned}$$

(3)

$$\begin{aligned}-5x + 9y &= -60 \\ -7x - 9y &= 132\end{aligned}$$

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(1)

$$\begin{aligned}2x + 4y &= -34 \\ -2x + 4y &= 2\end{aligned}$$

(2)

$$\begin{aligned}-5x + 5y &= 5 \\ -10x + 8y &= 28\end{aligned}$$

(3)

$$\begin{aligned}5x - 4y &= -18 \\ 6x + 8y &= 68\end{aligned}$$

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(1)

$$\begin{aligned}10x + 3y &= 91 \\ -10x - y &= -77\end{aligned}$$

(2)

$$\begin{aligned}x + 9y &= 72 \\ 10x - 5y &= -40\end{aligned}$$

(3)

$$\begin{aligned}-5x + 7y &= 76 \\ 9x - 4y &= -68\end{aligned}$$

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(1)

$$\begin{aligned}5x - y &= -39 \\ -5x - 2y &= 42\end{aligned}$$

(2)

$$\begin{aligned}-6x + 3y &= 15 \\ 48x - 8y &= 24\end{aligned}$$

(3)

$$\begin{aligned}3x - 9y &= 45 \\ -5x - 8y &= 63\end{aligned}$$

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(1)

$$\begin{aligned}9x - 7y &= -33 \\ -9x + 3y &= 45\end{aligned}$$

(2)

$$\begin{aligned}-x - 9y &= -61 \\ -3x + 6y &= 15\end{aligned}$$

(3)

$$\begin{aligned}4x - 3y &= 14 \\ -5x - 4y &= 29\end{aligned}$$

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(1)

$$\begin{aligned}2x - y &= 4 \\ -2x + 9y &= 12\end{aligned}$$

(2)

$$\begin{aligned}x + 4y &= -8 \\ -7x + 5y &= 23\end{aligned}$$

(3)

$$\begin{aligned}-10x - 4y &= -52 \\ -9x - y &= -26\end{aligned}$$

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(1)

$$\begin{aligned}5x + 9y &= 14 \\ -5x - 4y &= -9\end{aligned}$$

(2)

$$\begin{aligned}6x + 8y &= 122 \\ -54x - 2y &= -398\end{aligned}$$

(3)

$$\begin{aligned}-7x - 10y &= -133 \\ -3x - 2y &= -41\end{aligned}$$

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(1)

$$\begin{aligned}-8x - 9y &= 3 \\ 8x + 8y &= -8\end{aligned}$$

(2)

$$\begin{aligned}-9x - 7y &= 22 \\ -27x + 4y &= 116\end{aligned}$$

(3)

$$\begin{aligned}9x + 8y &= 125 \\ -7x + 2y &= -15\end{aligned}$$

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(1)

$$\begin{aligned}7x - 9y &= 111 \\ -7x - 10y &= 79\end{aligned}$$

(2)

$$\begin{aligned}6x + 7y &= 16 \\ -36x + 8y &= 104\end{aligned}$$

(3)

$$\begin{aligned}8x + 7y &= 41 \\ 5x - y &= 31\end{aligned}$$

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(1)

$$\begin{aligned}-7x + 8y &= -92 \\ 7x + 7y &= -28\end{aligned}$$

(2)

$$\begin{aligned}10x + 2y &= -8 \\ -30x + 7y &= 102\end{aligned}$$

(3)

$$\begin{aligned}8x + 3y &= -45 \\ 5x + 9y &= 36\end{aligned}$$

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(1)

$$\begin{aligned}-10x - 7y &= 94 \\ 10x - 4y &= -72\end{aligned}$$

(2)

$$\begin{aligned}3x + 8y &= 72 \\ -27x + 8y &= -168\end{aligned}$$

(3)

$$\begin{aligned}-7x + 7y &= 42 \\ -10x - 4y &= -24\end{aligned}$$

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(1)

$$\begin{aligned}6x - 9y &= -90 \\ -6x - 6y &= -30\end{aligned}$$

(2)

$$\begin{aligned}6x + 8y &= 110 \\ -54x - 9y &= -360\end{aligned}$$

(3)

$$\begin{aligned}2x + y &= -2 \\ -7x - 9y &= -15\end{aligned}$$

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(1)

$$\begin{aligned}-6x - 2y &= 24 \\ 6x - 10y &= -60\end{aligned}$$

(2)

$$\begin{aligned}-4x - 7y &= 76 \\ -12x + 2y &= 44\end{aligned}$$

(3)

$$\begin{aligned}-5x - 7y &= 48 \\ -2x + 4y &= -42\end{aligned}$$

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(1)

$$\begin{aligned}4x - 2y &= -6 \\ -4x + 5y &= 27\end{aligned}$$

(2)

$$\begin{aligned}5x - 2y &= -40 \\ -10x - 9y &= -50\end{aligned}$$

(3)

$$\begin{aligned}5x + 7y &= 62 \\ -6x + 4y &= 0\end{aligned}$$

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Version 1 Answer Key!

- (1) $x = -5, y = 2$
- (2) $x = -8, y = 9$
- (3) $x=7, y=-1$

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Version 2 Answer Key!

- (1) $x = 0, y = 7$
- (2) $x = 6, y = -2$
- (3) $x = -6, y = -10$

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Version 3 Answer Key!

- (1) $x = -9, y = -4$
- (2) $x = -10, y = -9$
- (3) $x=2, y=7$

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Version 4 Answer Key!

- (1) $x = 7, y = 7$
- (2) $x = 0, y = 8$
- (3) $x = -4, y = 8$

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Version 5 Answer Key!

- (1) $x = -8, y = -1$
- (2) $x = 2, y = 9$
- (3) $x = -3, y = -6$

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Version 6 Answer Key!

- (1) $x = -6, y = -3$
- (2) $x = 7, y = 6$
- (3) $x = -1, y = -6$

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Version 7 Answer Key!

- (1) $x = 3, y = 2$
- (2) $x = -4, y = -1$
- (3) $x=2, y=8$

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Version 8 Answer Key!

- (1) $x = 1, y = 1$
- (2) $x = 7, y = 10$
- (3) $x=9, y=7$

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Version 9 Answer Key!

- (1) $x = -6, y = 5$
- (2) $x = -4, y = 2$
- (3) $x=5, y=10$

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Version 10 Answer Key!

- (1) $x = 3, y = -10$
- (2) $x = -2, y = 4$
- (3) $x=6, y=-1$

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Version 11 Answer Key!

- (1) $x = 4, y = -8$
- (2) $x = -2, y = 6$
- (3) $x = -9, y = 9$

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Version 12 Answer Key!

- (1) $x = -8, y = -2$
- (2) $x = 8, y = 6$
- (3) $x=0, y=6$

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Version 13 Answer Key!

- (1) $x = -3, y = 8$
- (2) $x = 5, y = 10$
- (3) $x = -3, y = 4$

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Version 14 Answer Key!

- (1) $x = -5, y = 3$
- (2) $x = -5, y = -8$
- (3) $x=3, y=-9$

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Version 15 Answer Key!

- (1) $x = 2, y = 7$
- (2) $x = -4, y = 10$
- (3) $x=4, y=6$