

Name:
AlgebraW2D2ET

Date:

Solve the system for each variable:
(1)

$$\begin{aligned}7x + 4y &= 46 \\63x - 2y &= 110\end{aligned}$$

(2)

$$\begin{aligned}-3x - 2y &= 35 \\-21x + 4y &= 65\end{aligned}$$

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Version 1 Answer Key!

(1) $x = 2, y = 8$

(2) $x = -5, y = -10$

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(1)

$$\begin{aligned}8x - 4y &= -48 \\ -64x - 2y &= 520\end{aligned}$$

(2)

$$\begin{aligned}6x - 4y &= -38 \\ -42x + 2y &= 292\end{aligned}$$

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Version 2 Answer Key!

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

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

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(1)

$$\begin{aligned}8x - 6y &= -4 \\ 32x - 7y &= -50\end{aligned}$$

(2)

$$\begin{aligned}10x - 6y &= 54 \\ -80x - 9y &= -489\end{aligned}$$

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Version 3 Answer Key!

(1) $x = -2, y = -2$

(2) $x = 6, y = 1$

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(1)

$$\begin{aligned}10x - y &= -74 \\ -60x + 4y &= 436\end{aligned}$$

(2)

$$\begin{aligned}-x + 7y &= -72 \\ 9x - y &= 28\end{aligned}$$

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Version 4 Answer Key!

(1) $x = -7, y = 4$

(2) $x = 2, y = -10$

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(1)

$$\begin{aligned}6x + 4y &= -48 \\18x - 2y &= -102\end{aligned}$$

(2)

$$\begin{aligned}7x + 3y &= 67 \\42x + y &= 419\end{aligned}$$

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Version 5 Answer Key!

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

(2) $x = 10, y = -1$

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(1)

$$\begin{aligned}8x - 5y &= 30 \\ 16x - 3y &= 130\end{aligned}$$

(2)

$$\begin{aligned}-2x - 8y &= 22 \\ 4x - 8y &= 28\end{aligned}$$

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Version 6 Answer Key!

(1) $x = 10, y = 10$

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

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(1)

$$\begin{aligned}2x - 6y &= -26 \\ 18x + 4y &= -60\end{aligned}$$

(2)

$$\begin{aligned}3x - 9y &= 6 \\ -15x - 6y &= 21\end{aligned}$$

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Version 7 Answer Key!

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

(2) $x = -1, y = -1$

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(1)

$$\begin{aligned}4x - 10y &= 108 \\ -40x - 9y &= 10\end{aligned}$$

(2)

$$\begin{aligned}-4x + 8y &= -16 \\ 8x - 6y &= -18\end{aligned}$$

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Version 8 Answer Key!

(1) $x = 2, y = -10$

(2) $x = -6, y = -5$

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(1)

$$\begin{aligned}3x + 2y &= -31 \\ -9x + 7y &= -11\end{aligned}$$

(2)

$$\begin{aligned}-10x - 10y &= 10 \\ -50x + 2y &= 258\end{aligned}$$

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Version 9 Answer Key!

(1) $x = -5, y = -8$

(2) $x = -5, y = 4$

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(1)

$$\begin{aligned}-5x - 4y &= -2 \\ -45x - 8y &= 66\end{aligned}$$

(2)

$$\begin{aligned}-10x + y &= -95 \\ 60x - 8y &= 560\end{aligned}$$

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Version 10 Answer Key!

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

(2) $x = 10, y = 5$

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Date:

(1)

$$-7x - 4y = 39$$

$$-63x - y = 561$$

(2)

$$-10x + 6y = -50$$

$$100x - 7y = 765$$

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Version 11 Answer Key!

(1) $x = -9, y = 6$

(2) $x = 8, y = 5$

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(1)

$$\begin{aligned}5x + 7y &= 93 \\ 25x - 8y &= 78\end{aligned}$$

(2)

$$\begin{aligned}10x + 4y &= 68 \\ -40x - 5y &= -195\end{aligned}$$

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Version 12 Answer Key!

(1) $x = 6, y = 9$

(2) $x = 4, y = 7$

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(1)

$$\begin{aligned}7x + 6y &= 69 \\ -35x - 8y &= -323\end{aligned}$$

(2)

$$\begin{aligned}-5x + 10y &= 30 \\ 40x + 7y &= -414\end{aligned}$$

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Version 13 Answer Key!

(1) $x = 9, y = 1$

(2) $x = -10, y = -2$

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(1)

$$\begin{aligned}9x + y &= 8 \\54x - 3y &= -24\end{aligned}$$

(2)

$$\begin{aligned}5x - 10y &= -120 \\20x - y &= -207\end{aligned}$$

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Version 14 Answer Key!

(1) $x = 0, y = 8$

(2) $x = -10, y = 7$

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(1)

$$\begin{aligned}5x + 6y &= 63 \\ 30x + 7y &= 146\end{aligned}$$

(2)

$$\begin{aligned}8x - 7y &= 45 \\ 80x - 2y &= 246\end{aligned}$$

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Version 15 Answer Key!

(1) $x = 3, y = 8$

(2) $x = 3, y = -3$