

Name:

Week3.Lesson1.Systems of Equations 2x2 Classwork

Date:

(1)

$$\begin{aligned}4x + 9y &= 41 \\ -4x + 2y &= 58\end{aligned}$$

(2)

$$\begin{aligned}9x - 10y &= 19 \\ -9x - 6y &= -3\end{aligned}$$

(3)

$$\begin{aligned}5x - 10y &= 30 \\ -5x + 9y &= -24\end{aligned}$$

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(4)

$$\begin{aligned}6x + y &= 3 \\18x - 6y &= -72\end{aligned}$$

(5)

$$\begin{aligned}-7x + 6y &= -27 \\-28x - 9y &= -306\end{aligned}$$

(6)

$$\begin{aligned}-2x - 6y &= -12 \\-8x - 10y &= -34\end{aligned}$$

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(7)

$$-7x + 5y = -7$$

$$-6x - 9y = -6$$

(8)

$$3x - 7y = 54$$

$$-7x + 9y = -60$$

(9)

$$-9x + 7y = 35$$

$$-2x + 4y = 20$$

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(10)

$$\begin{aligned} -4x - 9y &= 43 \\ -12x + 5y &= 33 \end{aligned}$$

(11)

$$\begin{aligned} -8x + 5y &= 30 \\ 9x + 9y &= 54 \end{aligned}$$

(12)

$$\begin{aligned} -5x + 6y &= -17 \\ 7x - 3y &= 40 \end{aligned}$$

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(13)

$$\begin{aligned} -10x - 3y &= -35 \\ 9x - 6y &= 75 \end{aligned}$$

(14)

$$\begin{aligned} -4x + 10y &= -10 \\ 4x + 7y &= 61 \end{aligned}$$

(15)

$$\begin{aligned} 8x - 8y &= -48 \\ 5x - 7y &= -24 \end{aligned}$$

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(16)

$$\begin{aligned} -9x - 8y &= 3 \\ -27x - 5y &= -105 \end{aligned}$$

(17)

$$\begin{aligned} 9x - 9y &= 72 \\ -5x - 4y &= 50 \end{aligned}$$

(18)

$$\begin{aligned} 7x - 6y &= -112 \\ 14x - 6y &= -182 \end{aligned}$$

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(19)

$$-x + 5y = 9$$

$$x + 3y = 15$$

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## Version 1 Answer Key!

(1)

$$x = -10, y = 9$$

(2)

$$x = 1, y = -1$$

(3)

$$x = -6, y = -6$$

(4)

$$x = -1, y = 9$$

(5)

$$x = 9, y = 6$$

(6)

$$x = 3, y = 1$$

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

(8)  $x = -3, y = -9$

(9)  $x = 0, y = 5$

(10)

$$x = -4, y = -3$$

(11)  $x = 0, y = 6$

(12)  $x = 7, y = 3$

(13)  $x = 5, y = -5$

(14)

$$x = 10, y = 3$$

(15)  $x = -9, y = -3$



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(16)

$$x = 5, y = -6$$

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

(18)

$$x = -10, y = 7$$

(19)

$$x = 6, y = 3$$