

Name:  
wefwfef

Date:

Solve the system for each variable:

(1)

(2)

$$-6x + 3y = -6$$

$$6x + 10y = 110$$

$$7x - 7y = 42$$

$$-7x - y = 22$$

(3)

(4)

$$5x + 2y = 31$$

$$-5x - 9y = 18$$

$$-10x + 4y = -18$$

$$10x + 3y = 4$$

(5)

(6)

$$4x - 8y = -20$$

$$-4x - 5y = 20$$

$$-5x - 3y = -39$$

$$5x - 4y = 53$$

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(7)

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

(8)

$$\begin{aligned} 4x + 3y &= -47 \\ -4x - 4y &= 52 \end{aligned}$$

(9)

$$\begin{aligned} -7x + 2y &= 40 \\ 7x + 7y &= -49 \end{aligned}$$

(10)

$$\begin{aligned} 5x + 9y &= 90 \\ -5x - 10y &= -95 \end{aligned}$$

(11)

$$\begin{aligned} 2x + 6y &= 30 \\ -2x - 5y &= -24 \end{aligned}$$

(12)

$$\begin{aligned} 3x - 9y &= 15 \\ -3x - 10y &= 23 \end{aligned}$$

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(13)

$$\begin{aligned}2x + 9y &= 6 \\ -2x - 7y &= -6\end{aligned}$$

(14)

$$\begin{aligned}9x - 4y &= 50 \\ -9x - 8y &= -170\end{aligned}$$

(15)

$$\begin{aligned}5x + y &= 25 \\ -5x + 4y &= -25\end{aligned}$$

(16)

$$\begin{aligned}7x + 9y &= 103 \\ -7x + 2y &= -37\end{aligned}$$

(17)

$$\begin{aligned}7x + 4y &= -29 \\ -7x - 9y &= 39\end{aligned}$$

(18)

$$\begin{aligned}7x - 6y &= 64 \\ -7x - 7y &= 14\end{aligned}$$

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(19)

$$\begin{aligned}2x - 6y &= 30 \\ -2x - 7y &= 61\end{aligned}$$

(20)

$$\begin{aligned}10x - 5y &= 65 \\ -10x - 8y &= 26\end{aligned}$$

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## Version 1 Answer Key!

- (1) Choice  $x = 5, y = 8$ :  $x = 5, y = 8$
- (2) Choice  $x = -2, y = -8$ :  $x = -2, y = -8$
- (3) Choice  $x = 9, y = -7$ :  $x = 9, y = -7$
- (4) Choice  $x = 1, y = -2$ :  $x = 1, y = -2$
- (5) Choice  $x = -5, y = 0$ :  $x = -5, y = 0$
- (6) Choice  $x = 9, y = -2$ :  $x = 9, y = -2$
- (7) Choice  $x = -7, y = -4$ :  $x = -7, y = -4$
- (8) Choice  $x = -8, y = -5$ :  $x = -8, y = -5$
- (9) Choice  $x = -6, y = -1$ :  $x = -6, y = -1$
- (10) Choice  $x = 9, y = 5$ :  $x = 9, y = 5$
- (11) Choice  $x = -3, y = 6$ :  $x = -3, y = 6$
- (12) Choice  $x = -1, y = -2$ :  $x = -1, y = -2$
- (13) Choice  $x = 3, y = 0$ :  $x = 3, y = 0$
- (14) Choice  $x = 10, y = 10$ :  $x = 10, y = 10$
- (15) Choice  $x = 5, y = 0$ :  $x = 5, y = 0$
- (16) Choice  $x = 7, y = 6$ :  $x = 7, y = 6$
- (17) Choice  $x = -3, y = -2$ :  $x = -3, y = -2$
- (18) Choice  $x = 4, y = -6$ :  $x = 4, y = -6$
- (19) Choice  $x = -6, y = -7$ :  $x = -6, y = -7$
- (20) Choice  $x = 3, y = -7$ :  $x = 3, y = -7$