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Solve the system for each variable:

(1)

$$6x - 7y = -55$$
$$5x - 2y = -19$$

(2)

$$5x + 2y = 1$$
$$9x + 8y = 15$$

(3)

$$7x + 4y = 48$$
$$-2x - 7y = -43$$

(4)

$$-2x + 5y = 31$$
$$-7x - 8y = -70$$

(5)

$$6x - 5y = -56$$
$$-7x + 9y = 78$$

(6)

$$5x + 4y = 21$$
$$8x - 4y = -60$$

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(7)

$$\begin{aligned} 9x + 2y &= -49 \\ 10x + 3y &= -49 \end{aligned}$$

(8)

$$\begin{aligned} 4x - 5y &= -34 \\ -3x - 2y &= 14 \end{aligned}$$

(9)

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

(10)

$$\begin{aligned} -4x + 3y &= -39 \\ -5x + 6y &= -51 \end{aligned}$$

(11)

$$\begin{aligned} -6x - y &= -59 \\ 7x + 6y &= 64 \end{aligned}$$

(12)

$$\begin{aligned} -6x - 4y &= 16 \\ -5x - 2y &= 12 \end{aligned}$$

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(13)

$$-3x + 5y = 38$$
$$-4x + 10y = 74$$

(14)

$$2x - 6y = 52$$
$$7x + 10y = -128$$

(15)

$$-8x + 10y = -40$$
$$-5x + 10y = -40$$

(16)

$$7x + 4y = -61$$
$$2x - 7y = 64$$

(17)

$$-2x - 2y = -28$$
$$3x + y = 30$$

(18)

$$-7x - 3y = -34$$
$$-8x + 2y = 10$$

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(19)

$$-8x + 8y = 24$$
$$-9x - y = 27$$

(20)

$$6x + 4y = -42$$
$$7x + 10y = -97$$

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Version 1 Answer Key!

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