Name	Date	Class

## **Practice B B-1** Using Graphs and Tables to Solve Linear Systems

Classify each system, and determine the number of solutions.

**1.**  $\begin{cases} y = -4x + 7 \\ 12x + 3y = 21 \end{cases}$  **2.**  $\begin{cases} 5y = x - 10 \\ y = \frac{x}{5} + 3 \end{cases}$  **3.**  $\begin{cases} x + 6y = -2 \\ 12x - 6y = 0 \end{cases}$ 

Use substitution to determine if the given ordered pair is an element of the solution set for the system of equations. If it is not, give the correct solution.

 4.  $(-4, 8) \begin{cases} y = -2x \\ 3x + y = -4 \end{cases}$  5.  $(11, 3) \begin{cases} y = x - 8 \\ x + 4y = -2 \end{cases}$  

 6.  $(4, 1) \begin{cases} y = 5x - 1 \\ 8 = 4x + y \end{cases}$  7.  $(5, -5) \begin{cases} x + y = 10 \\ x - y = 0 \end{cases}$  

 8.  $(2, -1) \begin{cases} 2x + 3y = -8 \\ 3x - 4y = 5 \end{cases}$  9.  $(0, 3) \begin{cases} 3x + 5y = 15 \\ x - y = -3 \end{cases}$ 

## Solve by graphing a system of equations.

10. A puppy pen is 1 foot longer than twice its width. John wants to increase the length and width by 5 feet each to enlarge the area by 90 square feet. What will be the area of the new pen?

**11.** Keesha has 10 more quarters than dimes, which, together, total \$11.25. How many coins does she have in quarters and dimes?



LESSON         Practice A           EDI         Using Graphs and Tables to Solve Linear Systems           Does the given ordered pair solve the system of equations?           Substitute each value for x and y into the equations. Write yes or no.	<b>LESSON</b> Practice B <b>ESET</b> Using Graphs and Tables to Solve Linear Systems Classify each system, and determine the number of solutions. 1 $y = -4x + 7$ 2 $ 5y = x - 10$ 3 $ x + 6y = -2 $
<b>1.</b> $(2, -1) \begin{vmatrix} 3x + y = 3 \\ x - y = 5 \end{vmatrix}$ <b>2.</b> $(4, 5) \begin{vmatrix} x - 6y = -26 \\ 2x + y = 13 \end{vmatrix}$ <b>3.</b> $(-3, -7) \begin{vmatrix} -x + 2y = 1 \\ 4x - 3y = 19 \end{vmatrix}$	$12x + 3y = 21 \qquad \qquad y = \frac{x}{5} + 3 \qquad \qquad (12x - 6y = 0)$
$3(2) + (-1) \stackrel{?}{=} 3$ (2) - (-1) \stackrel{?}{=} 5	dependent; infinitely Inconsistent; no Consistent, indepen-
$(2) - (-1) \ge 0$	many solutions solutions dent; one solution
<u> </u>	Use substitution to determine if the given ordered pair is an element of the solution set for the system of equations. If it is not, give the
Use a table and a graph to solve the system. 4. $\begin{bmatrix} y = x + 1 \\ 0 = y = 2 \end{bmatrix}$	correct solution. It is the $(y = -2x)$ contained $(y = x - 8)$ (6. 2)
x = 2y + 2 <b>a.</b> Make a table of values for each equation.	4. $(-4, 8)\begin{vmatrix} y - 2x \\ 3x + y = -4 \end{vmatrix}$ Solution. 5. $(11, 3)\begin{vmatrix} y - x \\ x + 4y = -2 \end{vmatrix}$ $(0, -2)$
$y = x + 1 \qquad x = 2y + 2$	<b>6.</b> (4, 1) $\begin{vmatrix} y = 5x - 1 \\ 8 = 4x + y \end{vmatrix}$ <b>7.</b> (5, -5) $\begin{vmatrix} x + y = 10 \\ x - y = 0 \end{vmatrix}$ <b>11</b> is the
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	<b>8.</b> $(2, -1) \begin{vmatrix} 2x + 3y = -8 \\ 3x - 4y = 5 \end{vmatrix} (-1, -2)$ <b>9.</b> $(0, 3) \begin{vmatrix} 3x + 5y = 15 \\ x - y = -3 \end{vmatrix}$ solution.
$-1  0  -1  -\frac{3}{2}  -5  -4  -3  -2  0  2  3  4  5  -4  -5  -4  -3  -2  0  2  3  4  5  -3  -3  -3  -3  -3  -3  -3 $	Solve by graphing a system of equations.
	<b>10.</b> A puppy pen is 1 foot longer than twice its width.
$\begin{array}{c c} \hline & \hline & \hline \\ 2 & 3 \\ \hline \end{array} \begin{array}{c} 2 & 0^2 \\ \hline \end{array} \begin{array}{c} 2 & 0^2 \\ \hline \end{array} \begin{array}{c} 4 \\ -5 \\ \hline \end{array}$	5 feet each to enlarge the area by 90 square feet. What
<b>b.</b> Use the values in the tables to graph each equation.	
c. Which ordered pair solves both equations? (-4, -3)	<u>126 square teet</u>
Use a graph to solve each system. (x + y = 2) (2 -1) $(y = 3x - 2)$ (2 4)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
<b>5.</b> $\begin{pmatrix} x - y = 4 \\ x - y = 4 \end{pmatrix}$ <b>6.</b> $\begin{pmatrix} y - 6x \\ x + y = 6 \end{pmatrix}$	11. Keesha has 10 more quarters than dimes, which,
	have in quarters and dimes?
	35 quarters + 25 dimes =
	10 S
	$0 \begin{array}{ c c c c c c c c c c c c c c c c c c c$
Copyright Do Holds, teached and Weston. 3 Holt Algebra 2	Copyright O by Holt, Rivehant and Winston. 4 Holt Algebra 2 All rights reserved.
Practice C	Beteach
Practice C           Using Graphs and Tables to Solve Linear Systems	Reteach           Bin         Using Graphs and Tables to Solve Linear Systems
Itesson         Practice C           Bill         Using Graphs and Tables to Solve Linear Systems           Match each system of equations with the corresponding conditions           that it satisfies.         (12)	LESSON         Reteach           Sing Graphs and Tables to Solve Linear Systems           A linear system of equations is a set of two or more linear equations. To solve a linear system find all the ordered pairs (x, y) that make both equations true Lise a table and a
LESSON       Practice C <b>311</b> Using Graphs and Tables to Solve Linear Systems         Match each system of equations with the corresponding conditions that it satisfies.         1. The system is consistent and dependent. $     \begin{bmatrix}       y = \frac{2}{3}x + 10 \\       y = 3x + 1       \end{bmatrix}       $	<b>Reteach</b> <b>Solution</b> <b>A linear system</b> of equations is a set of two or more linear equations. To solve a linear system, find all the ordered pairs ( $x$ , $y$ ) that make both equations true. Use a table and a graph to solve a system of equations. (y + x = 2)
Lisson       Practice C <b>311</b> Using Graphs and Tables to Solve Linear Systems         Match each system of equations with the corresponding conditions that it satisfies.         1. The system is consistent and dependent.         y = $\frac{2}{3}x + 10$ y = $3x + 1$ 2. The system is inconsistent	<b>Reteach</b> <b>Solution</b> A linear system of equations is a set of two or more linear equations. To solve a linear system, find all the ordered pairs ( <i>x</i> , <i>y</i> ) that make both equations true. Use a table and a graph to solve a system of equations. $\begin{cases} y + x = 2 \\ y - 2x = 5 \end{cases}$ Solve each equation for $y \rightarrow \begin{cases} y = -x + 2 \\ y = 2x + 5 \end{cases}$ Make a table of values for each equation
Lisson       Practice C <b>B11</b> Using Graphs and Tables to Solve Linear Systems         Match each system of equations with the corresponding conditions that it satisfies.         1. The system is consistent and dependent.         2. The system is inconsistent.	<b>Reteach</b> <b>Solution</b> <b>A linear system</b> of equations is a set of two or more linear equations. To solve a linear system, find all the ordered pairs (x, y) that make both equations true. Use a table and a graph to solve a system of equations. $\begin{cases} y + x = 2 \\ y - 2x = 5 \end{cases}$ Solve each equation for $y \rightarrow \begin{cases} y = -x + 2 \\ y = 2x + 5 \end{cases}$ Make a table of values for each equation. $\begin{cases} y = -x + 2 \\ y = 2x + 5 \end{cases}$ When $x = -1$ , $y = 3$ for both equations of the equations. $\begin{cases} y = -x + 2 \\ y = 2x + 5 \end{cases}$
Using Graphs and Tables to Solve Linear Systems         Match each system of equations with the corresponding conditions that it satisfies.         1. The system is consistent and dependent.         2. The system is inconsistent.         3. The system is consistent and independent.         y = $\frac{2}{3}x + 10$ y = $\frac{2}{3}x + 10$ y = $\frac{2}{3}x + 10$ (y - $\frac{2}{3}x + 10$ (y - $4x = 60$ 3. The system is consistent and independent.	<b>Reteach</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solut</b>
LESSON Practice CB1 Using Graphs and Tables to Solve Linear SystemsMatch each system of equations with the corresponding conditions that it satisfies.1. The system is consistent and dependent. $\begin{vmatrix} y = 2 \\ y = 3 \\ x + 1 \end{vmatrix}$ 2. The system is inconsistent. $\begin{vmatrix} y = 2 \\ y = 3 \\ x + 1 \end{vmatrix}$ 3. The system is consistent and independent. $\begin{vmatrix} y = 2 \\ y = 3 \\ x + 1 \end{vmatrix}$ 4. The system is consistent. $\begin{vmatrix} y = 2 \\ y = 3 \\ x + 1 \end{vmatrix}$ 5. The system is consistent and independent. $\begin{vmatrix} y = 2 \\ y = 3 \\ x + 1 \end{vmatrix}$ 5. The system is consistent and independent. $\begin{vmatrix} y = 2 \\ y = 3 \\ x + 1 \end{vmatrix}$ 5. The system is consistent and independent. $\begin{vmatrix} y = 2 \\ y = 3 \\ x + 1 \end{vmatrix}$ 5. The system is consistent and independent. $\begin{vmatrix} y = 2 \\ y = 3 \\ x + 1 \end{vmatrix}$ 5. The system is consistent and independent. $\begin{vmatrix} y = 2 \\ y = 3 \\ x + 1 \end{vmatrix}$ 5. The system is consistent and independent. $\begin{vmatrix} y = 2 \\ y = 3 \\ x + 1 \end{vmatrix}$ 5. The system is consistent and independent. $\begin{vmatrix} y = 2 \\ y = 3 \\ y = 2 \\ x + 1 \end{vmatrix}$ 5. The system is consistent and independent. $\begin{vmatrix} y = 2 \\ y = 3 \\ y = 2 \\$	<b>Reteach</b> <b>Solution</b> A linear system of equations is a set of two or more linear equations. To solve a linear system, find all the ordered pairs $(x, y)$ that make both equations true. Use a table and a graph to solve a system of equations. $\begin{vmatrix} y + x = 2 \\ y - 2x = 5 \end{vmatrix}$ Solve each equation for $y \rightarrow \begin{cases} y = -x + 2 \\ y = 2x + 5 \end{cases}$ Make a table of values for each equation. $\begin{vmatrix} y = -x + 2 \\ x = y \\ -2 = 4 \\ -1 = 3 \end{cases}$ $\leftrightarrow$ $\begin{vmatrix} y = 2x + 5 \\ x = y \\ -2 = 1 \\ -1 = 3 \end{vmatrix}$ $\downarrow$
Practice C         Solve Linear Systems         Match each system of equations with the corresponding conditions that it satisfies.         1. The system is consistent and dependent. $\begin{vmatrix} y = \frac{2}{3}x + 10 \\ y = 3x + 1 \end{vmatrix}$ 2. The system is inconsistent. $\begin{vmatrix} y = \frac{2}{3}x + 10 \\ 6y - 4x = 60 \end{vmatrix}$ 3. The system is consistent and independent. $\begin{vmatrix} y = \frac{2}{3}x + 10 \\ 6y - 4x = 60 \end{vmatrix}$ 3. The system is consistent and independent. $\begin{vmatrix} y = \frac{2}{3}x + 10 \\ 3y + 9 = 2x \end{vmatrix}$ Solve.         4. A tub containing 16 gallons of water is draining at a rate of 1 gallon per bour 0 4 5 collops of water is draining at a rate of 1 gallon per bour 0 4 5 collops of water is draining at a rate of 1 gallon per bour 0 4 5 collops of water is draining at a rate of 1 gallon per bour 0 4 5 collops of water is draining at a rate of 1 gallon per bour 0 4 5 collops of water is draining at a rate of 1 gallon per bour 0 4 5 collops of water is draining at a rate of 1 gallon per bour 0 4 5 collops of water is draining at a rate of 1 gallon per bour 0 4 5 collops of water is draining at a rate of 1 gallon per bour 0 4 5 collops of water is draining at a rate of 1 gallon per bour 0 4 5 collops of water is draining at a rate of 1 gallon per bour 0 4 5 collops of water is draining at a rate of 1 gallon per bour 0 4 5 collops of water is draining at a rate of 1 gallon per bour 0 4 5 collops of water is draining at a rate of 1 gallon per bour 0 4 5 collops of water is draining at a rate of 1 gallon per bour 0 4 5 collops of water is draining at a rate of 1 gallon per bour 0 4 5 collops of water is draining at a rate of 1 gallon per bour 0 4 5 collops of water is draining at a rate of 1 gallo	<b>Reteach</b> <b>Solution</b> <b>Set 1</b> <b>Using Graphs and Tables to Solve Linear Systems</b> A linear system of equations is a set of two or more linear equations. To solve a linear system, find all the ordered pairs (x, y) that make both equations true. Use a table and a graph to solve a system of equations. $\begin{cases} y + x = 2 \\ y - 2x = 5 \end{cases}$ Solve each equation for $y \rightarrow \begin{cases} y = -x + 2 \\ y = 2x + 5 \end{cases}$ Make a table of values for each equation. $\begin{cases} y = -x + 2 \\ x = 2 \\ -2 \\ 4 \\ -1 \\ 3 \\ 0 \\ 2 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 7 \\ \end{bmatrix}$ When $x = -1$ , $y = 3$ for both equations. $\begin{cases} y = -x + 2 \\ y = -2 \\ -2 \\ 1 \\ -1 \\ 3 \\ 0 \\ 5 \\ 1 \\ 7 \\ \end{cases}$
<b>Practice CBin Using Graphs and Tables to Solve Linear Systems</b> Match each system of equations with the corresponding conditionsthat it satisfies.1. The system is consistent and dependent.2. The system is inconsistent.3. The system is consistent and independent.3. The system is consistent and independent.9. The system is consistent and independen	<b>Reteach</b> <b>Using Graphs and Tables to Solve Linear Systems</b> A linear system of equations is a set of two or more linear equations. To solve a linear system, find all the ordered pairs (x, y) that make both equations true. Use a table and a graph to solve a system of equations. $\begin{vmatrix} y + x = 2 \\ y - 2x = 5 \end{vmatrix}$ Solve each equation for $y \rightarrow \begin{cases} y = -x + 2 \\ y = 2x + 5 \end{cases}$ Make a table of values for each equation. $\begin{vmatrix} y = -x + 2 \\ y = -2 + 4 \\ -1 - 1 - 3 \\ 0 - 2 \\ 1 - 1 - 1 \\ 0 - 5 \\ 1 - 7 \\ \end{vmatrix}$ When $x = -1$ , $y = 3$ for both equations. $\begin{vmatrix} y = -x + 2 \\ y = 2x + 5 \\ x - 2 - 1 \\ -1 - 1 - 3 \\ 0 - 5 \\ 1 - 7 \\ \end{vmatrix}$ On a graph, the point where the lines intersect is the solution.
<b>Eason</b> Practice C <b>B1</b> Using Graphs and Tables to Solve Linear Systems Match each system of equations with the corresponding conditions that it satisfies. 1. The system is consistent and dependent. 2. The system is inconsistent. 3. The system is consistent and independent. 4. A tub containing 16 gallons of water is draining at a rate of 1 gallon per hour. A basin of 3.5 gallons of water is draining at a rate of 1 gallon every 6 hours. a. Write a system of equations that represents y, the number of gallons left in the container after x hours.	<b>Reteach</b> Using Graphs and Tables to Solve Linear Systems A linear system of equations is a set of two or more linear equations. To solve a linear system, find all the ordered pairs (x, y) that make both equations true. Use a table and a graph to solve a system of equation for $y \rightarrow \begin{cases} y = -x + 2 \\ y = 2x + 5 \end{cases}$ Make a table of values for each equation. $\boxed{\frac{y = -x + 2}{\frac{-2}{1} + \frac{1}{1}}}$ $\boxed{\frac{y = -x + 2}{\frac{1}{1} + \frac{1}{1} + \frac{3}{1}}}$ $\boxed{\frac{y = 2x + 5}{1}}$ Multiply the point where the lines intersect is the solution. Use the table to draw the graph of each equation. The lines appear to intersect at (-1, 3).
<b>Practice C</b> <b>31</b> Using Graphs and Tables to Solve Linear Systems Match each system of equations with the corresponding conditions that it satisfies. 1. The system is consistent and dependent. 2. The system is inconsistent. 3. The system is consistent and independent. 3. The system is consistent and independent. 4. A tub containing 16 gallons of water is draining at a rate of 1 gallon per hour. A basin of 3.5 gallons of water is draining at a rate of 1 gallon per hour. A basin of 3.5 gallons of water is draining at a rate of 1 gallon per hour. A basin of a gallons of water is draining at a rate of 1 gallon per hour. A basin of a gallons of water is draining at a rate of 1 gallon per hour. A basin of a gallons of water is draining at a rate of 1 gallon per hour. A basin of a gallons of water is draining at a rate of 1 gallon per hour. A basin of a gallons of water is draining at a rate of 1 gallon per hour. A basin of a gallons of water is draining at a rate of 1 gallon per hour. A basin of a gallons of water is draining at a rate of 1 gallon per hour. A basin of a gallons of water is draining at a rate of 1 gallon per hour. A basin of a gallons of water is draining at a rate of 1 gallon per hour. A basin of a gallons of water is draining at a rate of 1 gallon per hour. A basin of a gallons of water is draining at a rate of 1 gallon per hour. A basin of a gallons of water is draining at a rate of 1 gallon per hour. A basin of a gallons of water is draining at a rate of 1 gallon per hour. A basin of a gallons of water is draining at a rate of 1 gallon per hour. 4. Write a system of equations that represents y, the number of gallons left in the container after x hours. 5. The system of equations that represents y difference of the period	<b>Reteach</b> <b>Solution</b> <b>Set 1</b> <b>Set 1</b> <b>Solution</b> <b>Reteach</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b></b>
<b>Practice C</b> <b>31</b> Using Graphs and Tables to Solve Linear Systems Match each system of equations with the corresponding conditions that it satisfies. 1. The system is consistent and dependent. 2. The system is inconsistent. 3. The system is consistent and independent. 4. A tub containing 16 gallons of water is draining at a rate of 1 gallon per hour. A basin of 3.5 gallons of water is draining at a rate of 1 gallon per hour. A basin of 3.5 gallons of water is draining at a rate of 1 gallon per hour. A basin of 3.5 gallons that represents y, the number of gallons left in the container after x hours. $\begin{cases} y = -x + 16 \\ y = -\frac{1}{6}x + 3.5 \end{cases}$	<b>Reteach</b> <b>Using Graphs and Tables to Solve Linear Systems</b> A linear system of equations is a set of two or more linear equations. To solve a linear system, find all the ordered pairs $(x, y)$ that make both equations true. Use a table and a graph to solve a system of equations. $\begin{vmatrix} y + x = 2 \\ y - 2x = 5 \end{vmatrix}$ Solve each equation for $y \rightarrow \begin{cases} y = -x + 2 \\ y = 2x + 5 \end{cases}$ Make a table of values for each equation. $\boxed{\frac{y = -x + 2}{\frac{x - 2}{1 - 1}}}$ $\boxed{\frac{y = -x + 2}{\frac{1 - 1}{3}}}$ On a graph, the point where the lines intersect is the solution. Use the table to draw the graph of each equations to check. $y + x = 2 \qquad y - 2x = 5 \\ 3 + (-1)^2 2 \qquad 3 - 2(-1)^2 5 \\ = 5y \end{cases}$ When $x = -1$ , $y = 3$ for both equations. $\boxed{\frac{y - x + 2}{1 - 1 - 3}}$ When $x = -1$ , $y = 3$ for both equations. $\boxed{\frac{y - x + 2}{1 - 1 - 3}}$ On a graph, the point where the lines intersect is the solution. Use the table to draw the graph of each equations to check. $y + x = 2 \qquad y - 2x = 5 \\ 3 + (-1)^2 2 \qquad 3 - 2(-1)^2 = 5 \\ 5 + (-1)^2 = 2x \qquad 5 = 5y \end{cases}$
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<b>Practice C</b> <b>S1</b> Using Graphs and Tables to Solve Linear Systems Match each system of equations with the corresponding conditions that it satisfies. 1. The system is consistent and dependent. 2. The system is inconsistent. 3. The system is consistent and independent. 4. A tub containing 16 gallons of water is draining at a rate of 1 gallon per hour. A basin of 3.5 gallons of water is draining at a rate of 1 gallon every 6 hours. 3. Write a system of equations that represents y, the number of gallons left in the container after x hours. ( $y = -x + 16$ $y = -\frac{1}{6}x + 3.5$ ) b. If both containers began draining at the same time, how soon will the tub and basin hold the same amount of water? 1 gallon 5. Jenna has \$1500 in a savings account. She adds \$30 to her account each month. Luis has \$2440 in his savings account. He withdraws \$30 from his account each month.	<b>Reteach</b> Using Graphs and Tables to Solve Linear Systems. A linear system of equations is a set of two or more linear equations. To solve a linear system, find all the ordered pairs $(x, y)$ that make both equations true. Use a table and a graph to solve a system of equation for $y \rightarrow \begin{cases} y = -x + 2 \\ y = 2x = 5 \end{cases}$ Make a table of values for each equation $f(y, -y) = \begin{cases} y = -x + 2 \\ y = 2x + 5 \end{cases}$ Make a table of values for each equation. $\boxed{\frac{y = -x + 2}{1 - 1 - 3}} \qquad \qquad$
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Practice C         Solve Linear Systems         Match each system of equations with the corresponding conditions that it satisfies.         1. The system is consistent and dependent. $\begin{vmatrix} y = \frac{2}{3}x + 10 \\ y = 3x + 1 \end{vmatrix}$ 2. The system is inconsistent. $\begin{vmatrix} y = \frac{2}{3}x + 10 \\ 6y - 4x = 60 \end{vmatrix}$ 3. The system is consistent and independent. $\begin{vmatrix} y = \frac{2}{3}x + 10 \\ 6y - 4x = 60 \end{vmatrix}$ 3. The system is consistent and independent. $\begin{vmatrix} y = \frac{2}{3}x + 10 \\ 6y - 4x = 60 \end{vmatrix}$ 3. The system is consistent and independent. $\begin{vmatrix} y = \frac{2}{3}x + 10 \\ 8y + 9 = 2x \end{vmatrix}$ Solve.         4. A tub containing 16 gallons of water is draining at a rate of 1 gallon per hour. A basin of 3.5 gallons of water is draining at a rate of 1 gallon per hour. A basin of 3.5 gallons of water is draining at a rate of 1 gallon set in the container after x hours.         a. Write a system of equations that represents y, the number of gallons left in the container after x hours. $\begin{cases} y = -x + 16 \\ y = -\frac{1}{6}x + 3.5 \end{cases}$ b. If both containers began draining at the same time, how soon will the tub and basin hold the same amount of water?         I gallon         5. Jenna has \$1500 in a savings account. She adds \$30 to her account each month.         a. In how many months will they have the same balance in their savings accounts?       15 months         b. What will be the balance in each account?	<b>Reteach</b> <b>Index system</b> of equations is a set of two or more linear equations. To solve a linear system, find all the ordered pairs $(x, y)$ that make both equations true. Use a table and a graph to solve a system of equation for $y \rightarrow \begin{pmatrix} y = -x + 2 \\ y = 2x = 5 \end{pmatrix}$ Solve each equation for $y \rightarrow \begin{pmatrix} y = -x + 2 \\ y = 2x + 5 \end{pmatrix}$ . Make a table of values for each equation $\boxed{\frac{y = -x + 2}{1 - 1 - 3}}$ $\boxed{\frac{y = -x + 2}{1 - 1 - 3}}$ $\boxed{\frac{y = -x + 2}{1 - 1 - 3}}$ $\boxed{\frac{y = -x + 2}{1 - 1 - 3}}$ $\boxed{\frac{y = -x + 2}{1 - 1 - 3}}$ $\boxed{\frac{y = -x + 2}{1 - 1 - 3}}$ $\boxed{\frac{y = -x + 2}{1 - 1 - 3}}$ $\boxed{\frac{y = -x + 2}{1 - 1 - 3}}$ $\boxed{\frac{y = -x + 2}{1 - 1 - 3}}$ $\boxed{\frac{y = -x + 2}{1 - 1 - 3}}$ $\boxed{\frac{y = -x + 2}{1 - 1 - 3}}$ $\boxed{\frac{y = -x + 2}{1 - 1 - 3}}$ $\boxed{\frac{y = -x + 2}{2 - 2}}$ $\boxed{\frac{y = -x + 1}{2 - 2 - 2}}$ $\boxed{\frac{y = 2x - 5}{2 - 2 - 2}}$ $\boxed{\frac{y = -x + 1}{3 - 2}}$ $\boxed{\frac{y = -x + 2}{3 - 2}}$ $\frac{y = $
Practice C         Solve Linear Systems         Match each system of equations with the corresponding conditions         Interview of equations and dependent.         Image: System of equations into a consistent and independent.         Image: Solve.         A tube containing 16 gallons of water is draining at a rate of 1 gallon per hour. A basin of 3.5 gallons of water is draining at a rate of 1 gallon per hour. A basin of 3.5 gallons of water is draining at a rate of 1 gallon per hour. A basin of 3.5 gallons of water is draining at a rate of 1 gallon per hour. A basin of 3.5 gallons of water represents y, the number of gallons left in the container after x hours.         Image: Up = -x + 16       Image: Up = -1/6 x + 3.5         Image: Dependent of the same amount of water?         <	<section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header>
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