

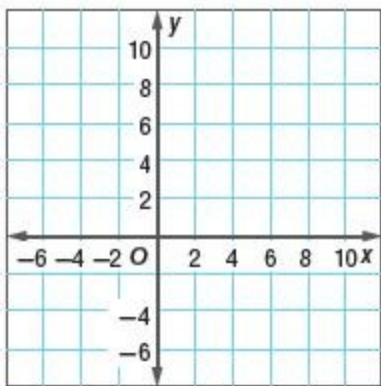
3-7 Solve Systems of Equations by Graphing

T3-08 Worksheet

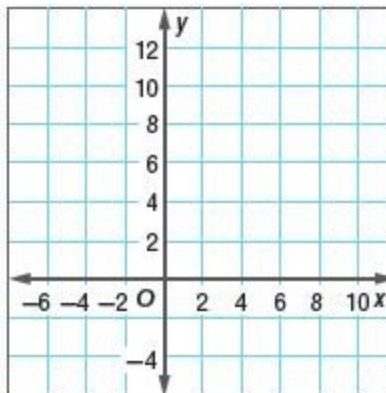
Number _____ Name _____ Period _____

Solve the system of equations by graphing.

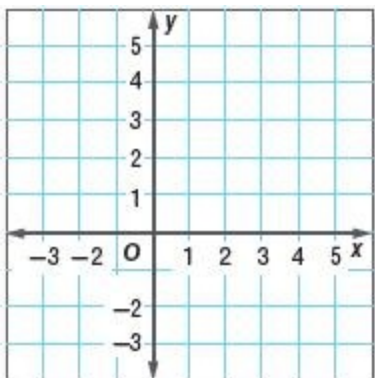
1. $y = x$
 $y = 2x - 4$



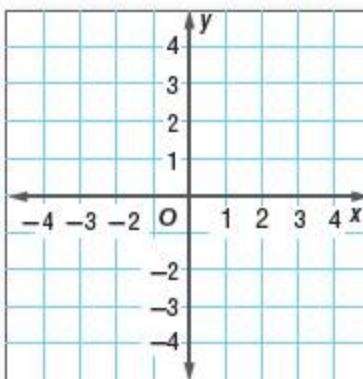
4. $y - 4x = 8$
 $y = 2(2x + 4)$



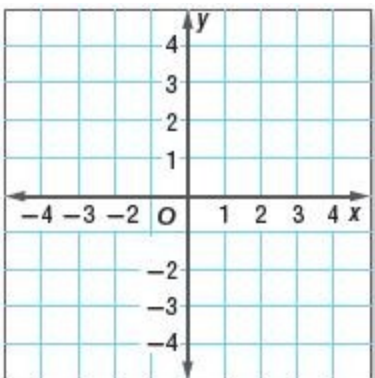
2. $y = -\frac{1}{2}x + 5$
 $y = 3x - 2$



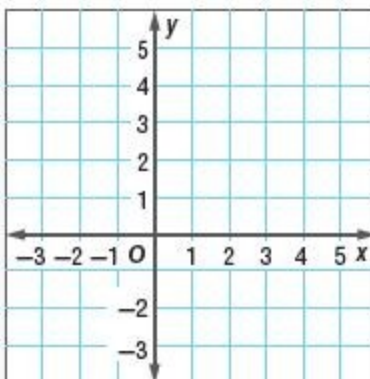
5. $x + y = 3$
 $y = -3(2x - 1)$



3. $y - 2x = 4$
 $y = 2x$



6. $-x + y = -2$
 $y = 2$



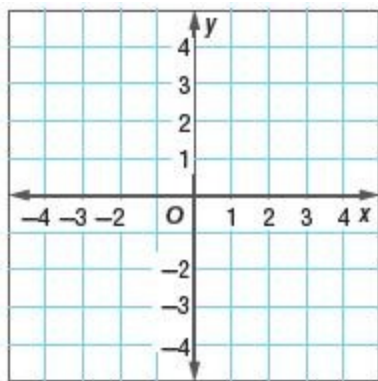
3-7 Solve Systems of Equations by Graphing

Copy and Solve A line passes through the pair of points. Determine if the system has *no solution*, *one solution*, or *an infinite number of solutions*. Show your work on a separate piece of paper.

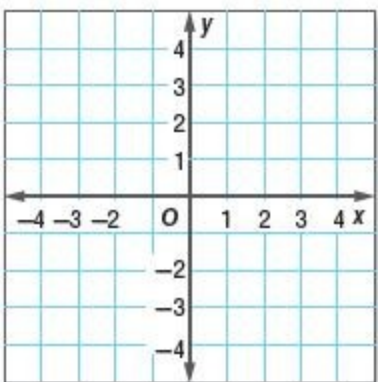
8. (0, 3) and (-2, 5);
(5, -2) and (0, 3)
9. (4, 1) and (0, 1);
(0, -4) and (4, 4)
10. (-2, -2) and (0, 2);
(1, 1) and (0, -1)

Solve the system of equations by graphing.

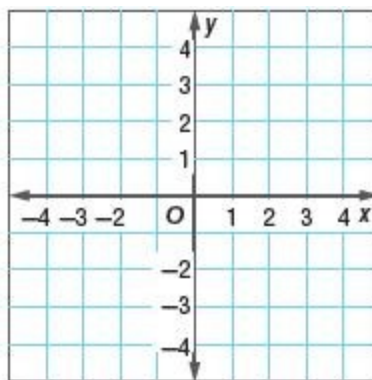
15. $y = 2x$
 $y = x + 1$



16. $y = \frac{3}{4}x$
 $3x - 4y = 0$



17. $y = \frac{1}{2}x + 1$
 $y = \frac{1}{2}x - 2$



Identify Structure Determine if the following systems of equations has *no solution*, *one solution*, or *an infinite number of solutions*. If there is a solution, find the solution. If not, explain why not.

18. $2x + 3y = 6$
 $2x + 3y = 7$

19. $x + y = -2$
 $y = x + 2$

20. $x + y = -3$
 $2x + y = 1$