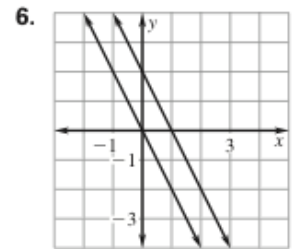
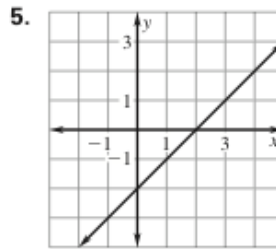
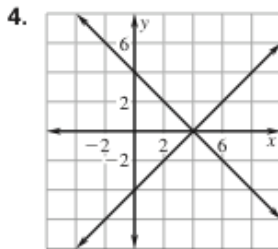
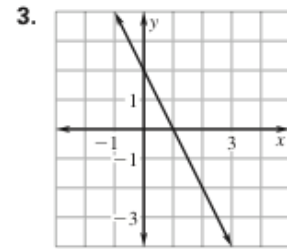
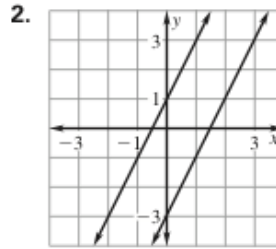
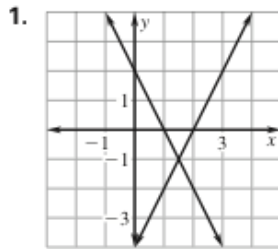


Algebra 1
5.4 Worksheet

Name _____

Does the system have exactly one solution, no solution, or infinitely many solutions?



Use the substitution method or elimination method to solve the linear system and tell how many solutions the system has.

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

8. $6x + 4y = 14$
 $3x + 2y = 2$

9. $3x - 10y = -15$
 $-3x + 10y = 15$

10. $6x - 5y = 3$
 $-12x + 10y = 5$

11. $x = y + 5$
 $x - y = 2$

12. $-3x - 2y = 6$
 $-6x + 4y = -12$

Mixed Review

13. Find the slope of the line that passes through $(4, -2)$ and $(-3, 5)$.

14. Evaluate $5x^2 - 2y$ when $x = -3$ and $y = -6$.

15. Solve for x : $-3x + 15 > 21$

16. Solve for y : $8x - 4y = 20$