

Systems of Equations Exercises

Directions: Solve each system of equations and determine whether the system has one solution, no solution, or infinitely many solutions. If there is one solution, state the solution.

1. $\begin{cases} y = 2x + 3 \\ y = -x + 5 \end{cases}$	2. $\begin{cases} y = 3x - 2 \\ y = 3x + 1 \end{cases}$
3. $\begin{cases} y = x + 4 \\ y = x + 4 \end{cases}$	4. $\begin{cases} y = -2x + 1 \\ y = -2x + 1 \end{cases}$
5. $\begin{cases} y = 2x + 3 \\ y = 2x + 3 \end{cases}$	6. $\begin{cases} y = 2x + 3 \\ y = 2x + 4 \end{cases}$
7. $\begin{cases} y = x + 1 \\ y = x + 2 \end{cases}$	8. $\begin{cases} y = x + 1 \\ y = x + 1 \end{cases}$
9. $\begin{cases} y = 2x + 3 \\ y = 2x + 3 \end{cases}$	10. $\begin{cases} y = 2x + 3 \\ y = 2x + 4 \end{cases}$

11. $\begin{cases} 2x + 3y = 6 \\ x - y = 2 \end{cases}$

12. $\begin{cases} 3x + 2y = 6 \\ x - y = 2 \end{cases}$

13. $\begin{cases} 2x + 3y = 6 \\ x - y = 2 \end{cases}$

14. $\begin{cases} 3x + 2y = 6 \\ x - y = 2 \end{cases}$

15. $\begin{cases} 2x + 3y = 6 \\ x - y = 2 \end{cases}$

16. $\begin{cases} 3x + 2y = 6 \\ x - y = 2 \end{cases}$

17. $\begin{cases} 2x + 3y = 6 \\ x - y = 2 \end{cases}$

18. $\begin{cases} 3x + 2y = 6 \\ x - y = 2 \end{cases}$

19. $\begin{cases} 2x + 3y = 6 \\ x - y = 2 \end{cases}$

20. $\begin{cases} 3x + 2y = 6 \\ x - y = 2 \end{cases}$

