

**Solving A System
By
Graphing**

Solve the system by graphing.

1. $x + y = -4$
 $x - y = 0$

2. $x + y = -6$
 $x - y = 0$

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

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

5. $2x + y = -4$
 $x - y = 1$

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

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

8. $3x + y = -1$
 $x + 2y = -2$

9. $2x + 3y = 3$
 $x - y = -6$

10. $3x + y = 5$
 $4x + y = 7$

11. $2x - y = -3$
 $4x - 2y = -6$

12. $x + 4y = 8$
 $3x + 12y = 24$

13. $x + 4y = -4$
 $2x + y = 6$

14. $x - 3y = -3$
 $2x - 6y = -12$

15. $2x - 3y = 6$
 $2x - 3y = -9$

16. $2x - 3y = -6$
 $2x - 3y = 12$

17. $2x - y = -6$
 $-2x + y = 12$

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

19. Determine the equation of the line that passes through the point $(-3,2)$ and is parallel to the equation $3x - 4y = -12$
20. Determine the equation of the line that passes through the point $(0,-4)$ and is parallel to the equation $4x - y = 8$
21. Determine the equation of the line that passes through the point $(0,-4)$ and is perpendicular to the equation $4x - y = 8$
22. Determine the equation of the line that passes through the point $(-3,2)$ and is perpendicular to the equation $3x - 4y = -12$
23. Determine the equation of the line that passes through the point $(0,-5)$ and is parallel to the equation $x + y = 7$
24. Determine the equation of the line that passes through the point $(2,-5)$ and is parallel to the equation $x + y = 7$
25. Determine the equation of the line that passes through the point $(3,-4)$ and is perpendicular to the equation $x - y = 5$
26. Determine the equation of the line that passes through the point $(5,1)$ and is perpendicular to the equation $x - y = 5$