

Solving Systems by Graphing

Algorithm

1. Choose the most appropriate way to graph each equation; Slope-Intercept or General Form
2. Graph each equation
3. Identify the point of intersection

Solve the following systems of equations by graphing.

1. $2x + y = 9$
 $x - y = 3$

2. $x + y = 3$
 $x - 2y = 0$

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

4. $4x + 3y = 12$
 $2x + 5y = 20$

5. $2t = z - 3$
 $3z + 6 = t$

6. $z = 3t$
 $3t - 6 = 2z$

7. $5x + y = 4$
 $x - 2y = 3$

8. $3x + 4y = -18$
 $y - x = 6$

9. $5x - 4y = 8$
 $2x + y = 11$

10. $4x + 2y = 0$
 $x - 5y = -11$

11. $4x + 3y = 12$
 $8x + 6y = 24$

12. $4x + 3y = 12$
 $8x + 6y = 48$