

Math Worksheet

Solving Linear Equations by Substitution Method

Grade 7

Solve the systems of equations by substitution.

1. $x + y = 9$ and $x - y = 5$

2. $x + y = -4$ and $2x + y = -9$

3. $x + 2y = 9$ and $2x + y = 8$

4. $2y - x = 8$ and $2y + x = -10$

5. $3x - 2y = -2$ and $x - 2y = -2$

6. $x + y = 7$ and $x - 2y = -13$

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

8. $6x - y = 8$ and $2x - 2y = 14$

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