

Linear Equations & Systems

Algebra · Grade 8

● Easy · 10 Questions

Solve each problem. Show your work in the space provided. Write your answer on the line.

1. Solve for x : $x + 5 = 12$.

Answer: _____

2. Solve for y : $3y = 21$.

Answer: _____

3. Solve: $2x - 4 = 10$.

Answer: _____

4. Solve: $x/3 = 5$.

Answer: _____

5. Solve: $4x + 1 = 13$.

Answer: _____

6. Solve: $5 - x = 2$.

Answer: _____

7. Solve: $2x + 3 = 11$.

Answer: _____

8. Solve: $3x - 6 = 9$.

Answer: _____

9. If $2x = 14$, what is $x + 1$?

Answer: _____

10. Solve: $x + x = 18$.

Answer: _____

Answer Key

Linear Equations & Systems — Easy

1. $x = 7$

Subtract 5 from both sides: $x = 12 - 5 = 7$.

2. $y = 7$

Divide both sides by 3: $y = 21 \div 3 = 7$.

3. $x = 7$

Add 4: $2x = 14$. Divide by 2: $x = 7$.

4. $x = 15$

Multiply both sides by 3: $x = 15$.

5. $x = 3$

Subtract 1: $4x = 12$. Divide by 4: $x = 3$.

6. $x = 3$

Subtract 5 from both sides: $-x = -3$. Multiply by -1 : $x = 3$.

7. $x = 4$

Subtract 3: $2x = 8$. Divide by 2: $x = 4$.

8. $x = 5$

Add 6: $3x = 15$. Divide by 3: $x = 5$.

9. 8

$x = 7$. $x + 1 = 8$.

10. $x = 9$

$2x = 18$. $x = 9$.