
FREE DOWNLOAD

Algebra Survival Sheet

A polished beginner-friendly guide with practice and a separate answer key

What's inside
• Clear rules and reminders
• Beginner-friendly examples
• Practice problems
• Answer key on its own page

Designed for simple, clear practice.

Key Rules to Remember

- To solve an equation, get the variable by itself.
- Use inverse operations: addition \leftrightarrow subtraction and multiplication \leftrightarrow division.
- Whatever you do to one side, do to the other side.
- A negative outside parentheses changes every sign inside.

Worked Examples

1) $m - 9 = 14 \rightarrow$ add 9 to both sides $\rightarrow m = 23$

2) $6p = 42 \rightarrow$ divide both sides by 6 $\rightarrow p = 7$

3) $4x + 1 = 21 \rightarrow$ subtract 1, then divide by 4 $\rightarrow x = 5$

Practice Problems

Try these before checking the answer key.

#	Problem
1	$n + 8 = 19$
2	$y - 12 = 5$
3	$7a = 56$
4	$b / 5 = 9$
5	$3x + 4 = 19$
6	$5m - 7 = 18$
7	$q / 4 + 6 = 10$
8	$-(r + 3)$ Simplify the expression

Answer Key

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#	Answer
1	$n = 11$
2	$y = 17$
3	$a = 8$
4	$b = 45$
5	$x = 5$
6	$m = 5$
7	$q = 16$
8	$-r - 3$
