

ALGEBRA

READINESS TEST

TABLE OF CONTENTS

Contains

- 4 pages (20 questions) that covers a variety of topics
- An answer key

Content covered

- Translating word problems into equations
- Simplifying expressions by combining like terms
- Order of operations including positive and negative numbers
- Evaluating expressions using substitution
- Simplifying expressions using the distributive property
- Solving equations from word problems
- Solving equations
- Solving inequalities
- Graphing inequalities
- Solving proportions
- Finding slope of a graph
- Finding slope from coordinate points

DIRECTIONS

1. Print the student pages
2. The readiness test will take about 45-60 minutes.
3. When grading, use your judgment as to whether they are more algebra or not. As a general rule, students can take 2-3 weeks less, and be considered "algebra ready."

Algebra Readiness Test

Name: _____ Date: _____

Score: _____

Directions: Solve for the variable. Show your work.

1. Solve for x : $2x + 10 = 30$	2. Solve for y : $3y - 15 = 45$
3. Solve for x : $4x - 20 = 60$	4. Solve for y : $5y + 10 = 55$
5. Solve for x : $6x - 30 = 90$	6. Solve for y : $7y - 20 = 100$
7. Solve for x : $8x - 40 = 120$	8. Solve for y : $9y - 50 = 140$
9. Solve for x : $10x - 60 = 180$	10. Solve for y : $11y - 70 = 190$
11. Solve for x : $12x - 80 = 200$	12. Solve for y : $13y - 90 = 210$
13. Solve for x : $14x - 100 = 240$	14. Solve for y : $15y - 110 = 230$
15. Solve for x : $16x - 120 = 260$	16. Solve for y : $17y - 130 = 250$
17. Solve for x : $18x - 140 = 270$	18. Solve for y : $19y - 150 = 260$
19. Solve for x : $20x - 160 = 280$	20. Solve for y : $21y - 170 = 270$

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