

keep scrolling to get
a sneak peek!

Help your students focus & be accountable for their review of the Algebra 1 content you taught! There are **100 questions over two versions** for students to practice different test style and open-ended questions.

Perfect for review days, homework, or extra practice **before the EOY & final exams!**

ALGEBRA 1 EOY REVIEW PACKET

TEST PREP

The collage displays several pages from the Algebra 1 EOY Review Packet. The pages are titled 'ALGEBRA 1 EOY REVIEW - SECTION 8: QUADRATICS' and 'ALGEBRA 1 EOY REVIEW - SECTION 4: ANALYZING'. The problems include:

- 48. Find the vertex of the parabola $f(x) = x^2 - 6x + 5$. Handwritten solution: $x = \frac{-b}{2a} = \frac{-(-6)}{2(1)} = \frac{6}{2} = 3$. $f(3) = (3)^2 - 6(3) + 5 = 9 - 18 + 5 = -4$. Vertex: (3, -4).
- 19. Find the slope of the line that passes through (2, -1) and (6, 7). Handwritten solution: $m = \frac{7 - (-1)}{6 - 2} = \frac{8}{4} = 2$.
- 20. Write the equation of the line in slope intercept form that passes through (3, 5) and has the slope $m = -2$. Handwritten solution: $y - 5 = -2(x - 3)$, $y - 5 = -2x + 6$, $y = -2x + 11$.
- 21. Write the equation of the line in point slope form that passes through (-4, 2) and has the slope $m = 3$. Handwritten solution: $y - 2 = 3(x + 4)$.
- 22. What is the slope of the line? Handwritten solution: $m = 2$.
- 23. Rewrite the equation into slope-intercept form. $3x + 2y = 10$. Handwritten solution: $2y = -3x + 10$, $y = -\frac{3}{2}x + 5$.
- 24. Graph the equation $3x + 2y = 10$. Handwritten solution: $y = -\frac{3}{2}x + 5$.
- 25. Graph the equation $2x - y = -6$. Handwritten solution: $y = 2x + 6$.
- 26. Sammy sold \$7 student tickets and \$25 adult tickets. How many of each did he sell? Handwritten solution: $7x + 25y = 250$, $x = 25 - 25y$, $7(25 - 25y) + 25y = 250$, $175 - 175y + 25y = 250$, $-150y = 75$, $y = -\frac{75}{150} = -\frac{1}{2}$.
- 5. Solve. $5x - 12 = 3x + 8$. Handwritten solution: $-3x - 12 = 8$, $+12 +12$, $2x = 20$, $x = 10$.
- 6. Solve. $4(2x - 5) - 3x = 3$. Handwritten solution: $8x - 20 - 3x = 3$, $5x - 20 = 3$, $+20 +20$, $5x = 23$, $x = \frac{23}{5}$.
- 7. Solve. $\frac{4x}{3} + 15 = 27$. Handwritten solution: $\frac{4x}{3} = 12$, $\cdot 3 \cdot 3$, $4x = 36$, $x = 9$.
- 8. Solve. $8x - 6 = 4(2x - 6)$. Handwritten solution: $8x - 6 = 8x - 24$, $-8x + 8x - 6 = 8x - 8x - 24 + 6$, $-6 = -18$, $+12 +12$, $6 = 6$. Infinite solutions.
- 9. Solve & graph your solution. $-4 - 3x + 7 < 15$. Handwritten solution: $-3x + 3 < 15$, $-3 -3$, $-3x < 12$, $x > -4$.
- 10. Solve and graph your solution. $5x + 7 \geq 2(x + 14)$. Handwritten solution: $5x + 7 \geq 2x + 28$, $-2x + 7 \geq 2x + 28$, $-4x \geq 21$, $x \leq -\frac{21}{4}$.



100 Questions, 2 versions, Detailed Key

Why do you need this?



Quick & easy. Just print & go.
No prep required!

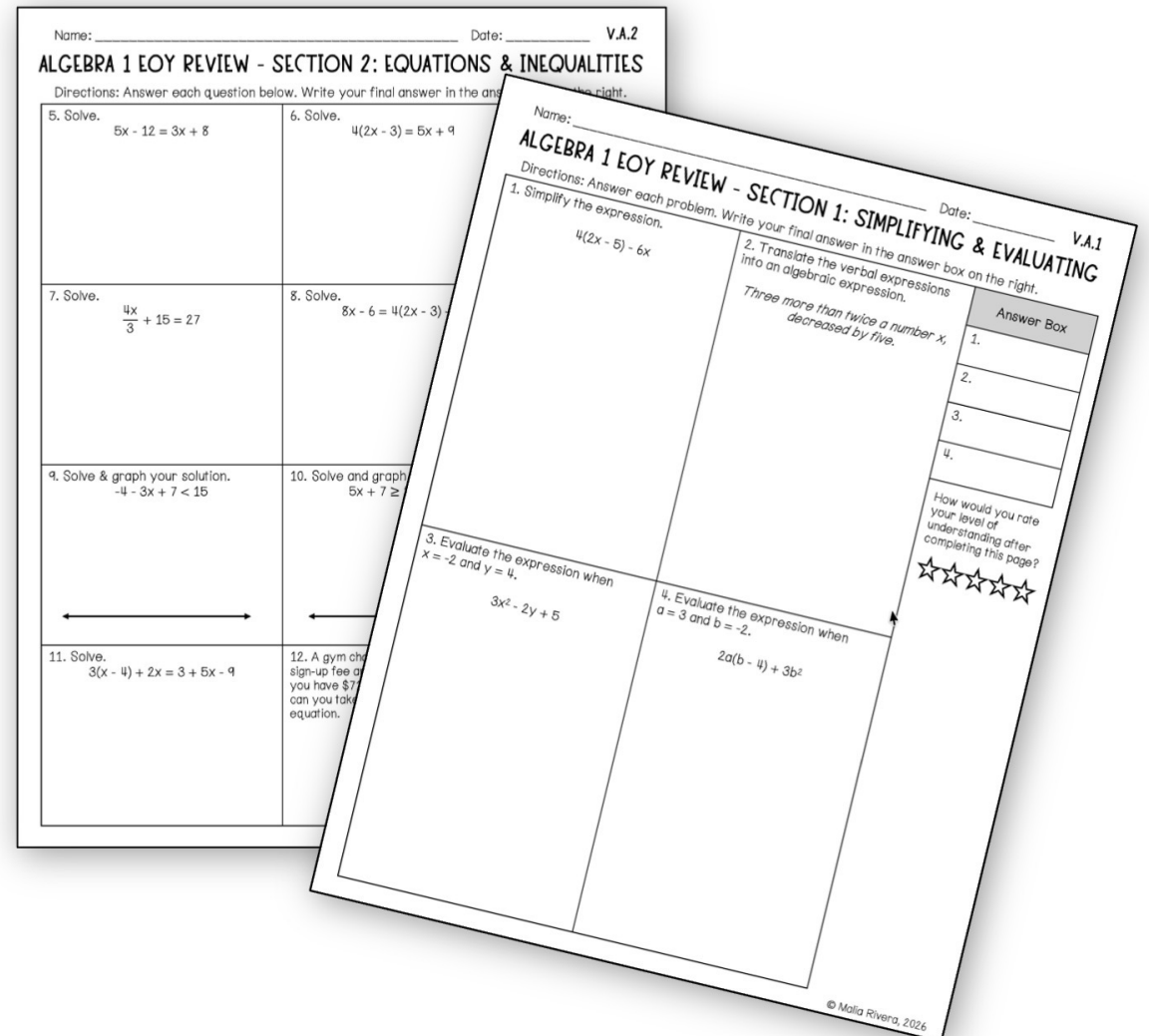


Targeted practice. Students review key Algebra 1 concepts.



Flexible use. Assign as individual worksheets or the entire packet.

Algebra 1 EOY Review Test Prep Packet



Algebra 1 Review Packet – Teacher Overview

ALGEBRA 1 END-OF-YEAR REVIEW - TEACHER OVERVIEW

Thank you for using this Algebra 1 end of year review with your students! This resource is designed to provide comprehensive, skill-based practice across the major concepts typically covered in an Algebra 1 course.

How to Use This Resource

This review can be used in several ways:

- As a full cumulative end-of-year review
- As targeted skill practice by assigning individual sections
- As structured practice before a district final or state assessment
- As a practice for retakes or reassessment

Because the sections are organized by section, teachers can easily differentiate by assigning specific sections based on student needs.

What's Included

- **Version A - Skill Mastery Review**
These questions are in an open-response format designed for deeper practice and full problem solving.
- **Version B - Test-Style Practice**
Mixed question formats including multiple choice, short answer, and open response to reflect common final exam and standardized test structures.
- **Detailed worked out answer keys** for both versions.
- **Student study checklist** with "I can" statements.

Both versions assess the same skills in the section same order using different question formats.

Sections & Number of Questions

Section 1: Simplifying & Evaluating Expressions (4 questions)	Section 2: Solving Equations & Inequalities (8 questions)	Section 3: Functions (6 questions)	Section 4: Writing & Graphing Linear Functions (10 questions)
Section 5: Systems of Equations & Inequalities (6 questions)	Section 6: Exponents & Radicals (6 questions)	Section 7: Polynomials & Factoring (6 questions)	Section 8: Quadratic Functions (4 questions)

How to use this resource

Differentiation suggestion

Content breakdown

Algebra 1 Review Packet – Master Planning Grid

ALGEBRA 1 EOY REVIEW - MASTER PLANNING GRID, VERSION A

SECTION 1: SIMPLIFYING & EVALUATING		SECTION 3: FUNCTIONS	
Q#	Specific Skill	Q#	Specific Skill
1	Simplifying an algebraic expression with distributive property and combining like terms.	13	Identifying whether a relation is a function or not.
2	Translating verbal expressions.	14	Finding domain and range of a discrete set of data.
3	Evaluating algebraic expressions.		
4	Evaluating algebraic expressions.		

SECTION 2: SOLVING EQUATIONS & INEQUALITIES	
Q#	Specific Skill
5	Solving multistep equations with variables on one side.
6	Solving multistep equations with variables on both sides.
7	Solving multistep equations with fractions.
8	Solving multistep equations with infinitely many solutions.
9	Solving multistep inequalities with variables on one side & dividing by a negative.
10	Solving multistep inequalities with variables on both sides.
11	Solving multistep equations with no solution.
12	Writing & solving equations from word problem

ALGEBRA 1 EOY REVIEW - MASTER PLANNING GRID, VERSION A

SECTION 5: LINEAR SYSTEMS	
Q#	Specific Skill
29	Solving systems using any method.
30	Solving systems using substitution.
31	Solving systems using elimination.
32	Determining the number of solutions of a system.
33	Solving & graphing a system of linear inequalities.
34	Writing & solving system of equations from a real-world context.

SECTION 7: POLYNOMIALS & FACTORING	
Q#	Specific Skill
41	Subtracting polynomials & combining like terms.
42	Multiplying polynomials.
43	Factoring trinomials when $a = 1$.
44	Factoring special products.
45	Factoring trinomials when $a \neq 1$.
46	Factoring using GCF and special products.

SECTION 6: EXPONENTS & RADICALS	
Q#	Specific Skill
35	Simplify exponents using the product & quotient rules.
36	Simplify exponents using the power rule with multiple variables.
37	Simplify expressions with multiple exponent rules.
38	Simplifying square roots.
39	Simplifying radicals with variables.
40	Simplifying cube roots.

SECTION 8: QUADRATIC FUNCTIONS	
Q#	Specific Skill
47	Graphing quadratic functions and identifying key features.
48	Solving quadratic equations by factoring.
49	Solving quadratic equations by square root method.
50	Quadratic modeling from real-world context.

ALGEBRA 1 EOY REVIEW - MASTER PLANNING GRID, VERSION B

SECTION 1: SIMPLIFYING & EVALUATING		SECTION 3: FUNCTIONS	
Q#	Specific Skill	Q#	Specific Skill
1	Simplifying an algebraic expression with distributive property and combining like terms.	13	Identifying whether a relation is a function or not.
2	Translating verbal expressions.	14	Finding domain of a discrete set of data.
3	Evaluating algebraic expressions.		
4	Evaluating algebraic expressions.		

SECTION 2: SOLVING EQUATIONS & INEQUALITIES	
Q#	Specific Skill
5	Solving multistep equations with variables on one side.
6	Solving multistep equations with variables on both sides.
7	Solving multistep equations with fractions.
8	Solving multistep equations with infinitely many solutions.
9	Solving multistep inequalities with variables on one side & dividing by a negative.
10	Solving multistep inequalities with variables on both sides.
11	Solving multistep equations with no solution.
12	Writing & solving equations from word problem

ALGEBRA 1 EOY REVIEW - MASTER PLANNING GRID, VERSION B

SECTION 5: LINEAR SYSTEMS	
Q#	Specific Skill
29	Solving systems using any method.
30	Solving systems using substitution.
31	Solving systems using elimination.
32	Determining the number of solutions of a system.
33	Interpreting solutions to a system of inequalities from a graph.
34	Solving a system of equations given a real-world context.

SECTION 7: POLYNOMIALS & FACTORING	
Q#	Specific Skill
41	Subtracting polynomials & combining like terms.
42	Multiplying polynomials.
43	Factoring trinomials when $a = 1$.
44	Factoring special products.
45	Factoring trinomials when $a \neq 1$.
46	Factoring using GCF and special products.

SECTION 6: EXPONENTS & RADICALS	
Q#	Specific Skill
35	Simplify expressions with multiple exponent rules.
36	Simplify expressions with multiple exponent rules.
37	Simplify expressions with multiple exponent rules.
38	Simplifying square roots.
39	Simplifying radicals with variables.
40	Simplifying cube roots.

SECTION 8: QUADRATIC FUNCTIONS	
Q#	Specific Skill
47	Identifying key features from a graph.
48	Identifying key features from an equation.
49	Solving quadratic equations using various methods.
50	Quadratic modeling from real-world context.

Content & skill break down

Aligned questions & skills

Available for both versions

Algebra 1 Review Packet - Student Mastery Checklist

Hold students accountable for their learning!

Pre & post self reflection by skill

Aligned questions & skills by version

Students can add their name!

ALGEBRA 1 EOY REVIEW - _____'S MASTERY CHECKLIST

Directions: Before you begin, read the statement and rate your current understanding.

- 1 - I don't know this yet
- 2 - I've seen it but need help
- 3 - I think I can try it on my own first
- 4 - I am confident I can do it on my own

Then go through and attempt the problems in this review packet. After you complete each problem, check off each skill you can now do by performing the skill.

ALGEBRA 1 SKILLS		
Ver A Q#	Ver B Q#	Skill
1	1	I can simplify algebraic expressions.
2	2	I can translate verbal expressions into algebraic expressions.
3,4	3,4	I can evaluate algebraic expressions.
5	5	I can solve multistep equations with variables on both sides.
6, 7	6, 7	I can solve multistep equations with variables on one side.
8, 11	8, 11	I can recognize when an equation has one solution, many solutions, or no solution.
9, 10	9, 10	I can solve & graph multistep linear inequalities on both sides.
12	12	I can write and solve equations to represent real-world situations.
13	13	I can determine if a relation is a function or not.
14	14	I can identify the domain and range of relations.
15	15	I can determine whether data represents a discrete or continuous relationship.
16, 17	16, 17	I can evaluate functions using function notation.
18	18	I can find the zero of a function.
19	19	I can find the slope of a line from two points.
20	20	I can write a linear equation given a point and a slope.

ALGEBRA 1 EOY REVIEW - _____'S MASTERY CHECKLIST

ALGEBRA 1 SKILLS				
Ver A Q#	Ver B Q#	Skill	Confidence Before 1-4	Confidence Now 1-4
21	21	I can write a linear equation in point slope form.		<input type="checkbox"/>
22	22	I can determine the slope of a line given a graph.		<input type="checkbox"/>
23	23	I can rewrite linear equations into other forms.		
24, 25	-	I can graph linear equations.		
25	24, 25	I can identify key features of linear graphs.		
26	26	I can write and solve linear equations from real world context.		
27	27	I can determine whether two lines are parallel, perpendicular, or neither.		
28	28	I can find x & y-intercepts of a linear equation.		
29	29	I can solve a system of linear equations.		
30	30	I can solve a system of linear equations using substitution.		
31	31	I can solve a system of linear equations using elimination.		
32	32	I can determine the number of solutions to a system of linear equations.		
33	33	I can identify the solution region of a system of linear inequalities.		
34	1, 34	I can write and solve a system of linear equations given real-world context.		
35-37	35-37	I can simplify expressions using exponent rules.		
38	38	I can simplify non-perfect square roots.		
39	39	I can simplify square roots with variables.		
40	40	I can simplify non-perfect cube roots.		

ALGEBRA 1 EOY REVIEW - _____'S MASTERY CHECKLIST

ALGEBRA 1 SKILLS				
Ver A Q#	Ver B Q#	Skill	Confidence Before 1-4	Confidence Now 1-4
41	41	I can subtract polynomials.		<input type="checkbox"/>
42	42	I can multiply polynomials.		<input type="checkbox"/>
43-46	43-46	I can factor polynomials including special products.		<input type="checkbox"/>
47	47	I can graph quadratic functions & identify key features.		<input type="checkbox"/>
48	48	I can solve quadratic equations by factoring.		<input type="checkbox"/>
49	49	I can solve quadratic equations using multiple strategies.		<input type="checkbox"/>
50	50	I can model real-world situations using quadratic functions.		<input type="checkbox"/>

Algebra 1 Review Packet – Content Assessed

ALGEBRA 1 EOY REVIEW - MASTER PLANNING GRID, VERSION A

SECTION 1: SIMPLIFYING & EVALUATING		SECTION 3: FUNCTIONS	
Q#	Specific Skill	Q#	Specific Skill
1	Simplifying an algebraic expression with distributive property and combining like terms.	13	Identifying whether a relation is a function or not.
2	Translating verbal expressions.	14	Finding domain and range of a discrete set of data.
3	Evaluating algebraic expressions.	15	Identifying discrete vs continuous data in real-world context.
4	Evaluating algebraic expressions.	16	Evaluating functions using function notation.
SECTION 2: SOLVING EQUATIONS & INEQUALITIES		17	Evaluating functions using function notation.
		18	Identifying zeros of the function from function notation.
Q#	Specific Skill	SECTION 4: WRITING & GRAPHING LINEAR FUNCTION	
5	Solving multistep equations with variables on one side.	Q#	Specific Skill
6	Solving multistep equations with variables on both sides.	19	Calculating slope from two points.
7	Solving multistep equations with fractions.	20	Writing slope intercept form given a point & slope.
8	Solving multistep equations with infinitely many solutions.	21	Writing in point slope form given a point & slope.
9	Solving multistep inequalities with variables on one side & dividing by a negative.	22	Identify a zero slope from a graph.
10	Solving multistep inequalities with variables on both sides.	23	Converting standard form to slope intercept form.
11	Solving multistep equations with no solution.	24	Graphing linear equations in slope intercept form.
12	Writing & solving equations from word problems.	25	Graphing linear equations in standard form.

8 Sections Organized by Skill

1. Simplifying & Evaluating Expressions
2. Solving Equations & Inequalities
3. Functions
4. Writing & Graphing Linear Functions
5. Linear Systems
6. Exponents & Radicals
7. Polynomials & Factoring
8. Quadratic Functions

Algebra 1 Review Packet – Version A

- 50 open ended questions
- 8 sections separated by skill
- Detailed answer keys

Plenty of space to show work!

Name: _____ Date: _____ V.A.5

ALGEBRA 1 EOY REVIEW - SECTION 5: LINEAR SYSTEMS

Directions: Answer each question below. Write your final answer in the answer box on the right.

29. Solve the system of equations. $y = 2x + 3$ $y = -x + 9$	30. Solve the system of equations using substitution. $y = 2x + 1$ $3x + y = 16$	Answer Box 29. _____ 30. _____ 31. _____ 32. _____ 34. _____
31. Solve the system using elimination. $2x + y = 7$ $3x - y = 8$	32. Determine the number of solutions this system has. $3x + y = 5$ $2y + 4 = -6x$	
33. Solve the system of inequalities. $y > 2x - 1$ $y \leq -x + 4$	34. Cara is selling cookies for \$5 and brownies for \$3 for a running club fundraiser. She sells 60 items and earned \$390 for her running club. How many cookies and brownies did she sell?	How would you rate your level of understanding after completing this page? ☆☆☆☆☆

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Easily know what version & section they are working on

Answer boxes for quick & easy checking & grading

Student self reflection question at the end

Algebra 1 Review Packet – Version B

- 50 test style questions: MC, select all, fill in the blank, True/False
- 8 sections separated by skill with mixed function practice
- Detailed answer keys

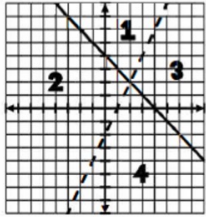
Plenty of space to show work!

Name: _____ Date: _____ V.B.5

ALGEBRA 1 EOY REVIEW - SECTION 5: LINEAR SYSTEMS

Directions: Answer each question below. Write your final answer in the answer box on the right.

29. Solve the system of equations. $y = x + 4$ $y = -x + 10$	30. Solve the system of equations using substitution. $-2x + y = 1$ $y = -3x + 16$	Answer Box 29. 30. 31. 32. 33.
a) (3, 7) b) (4, 6) c) (5, 5) d) (2, 8)	(x, y) = (_____, _____)	
31. Solve the system using elimination. $2x + y = 8$ $3x - y = 7$	32. Which system(s) have no solution? Select all that apply. a) $y = 4x + 1$ $y = 4x - 5$ b) $y = -2x + 6$ $y = 3x - 1$ c) $3x + y = 7$ $6x + 2y = 14$ d) $2x - y = 5$ $2x - y = -3$	34.
33. Based on the graph provided, which region represents the solution set? $y < 2x - 2$ $y \geq -x + 4$	34. At a small farm, there are 50 chickens and goats in a fenced area. If there are total of 140 legs, how many chickens and goats are there? There are _____ chickens and _____ goats on the farm.	How would you rate your level of understanding after completing this page? ☆☆☆☆☆



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Easily know what version & section they are working on

Answer boxes for quick & easy checking & grading

Student self reflection question at the end

how to use this resource

Name: _____ Date: _____ V.A.2

ALGEBRA 1 EOY REVIEW - SECTION 2: EQUATIONS & INEQUALITIES

Directions: Answer each question below. Write your final answer in the answer box on the right.

5. Solve. $5x - 12 = 3x + 8$	6. Solve. $4(2x - 3) = 5x + 9$
7. Solve. $\frac{4x}{3} + 15 = 27$	8. Solve. $8x - 6 = 4(2x - 3) + 6$
9. Solve & graph your solution. $-4 - 3x + 7 < 15$	10. Solve and graph your solution. $5x + 7 \geq 2(x - 1)$
11. Solve. $3(x - 4) + 2x = 3 + 5x - 9$	12. A gym charges a sign-up fee and you have \$71.14 left. How much can you take home? Equation: _____

Name: Answer Key Date: _____ V.A.8

ALGEBRA 1 EOY REVIEW - SECTION 8: QUADRATIC FUNCTIONS

Directions: Answer each problem. Write your final answer in the answer box on the right.

47. Graph the quadratic function:
 $f(x) = x^2 - 4x - 5$

Identify the following characteristics:

- Axis of Symmetry: $x = 2$
- Vertex: $(2, -9)$
- X-intercept(s): $(-1, 0)$ & $(5, 0)$

48. Solve the quadratic.
 $x^2 + 7x + 12 = 0$
 $(x+4)(x+3) = 0$
 $x+4=0$ $x+3=0$
 $-4-4$ $-3-3$
 $x=-4$ $x=-3$

Answer Box
47. $x = 2, 5$; $(2, -9)$, $(-1, 0)$ & $(5, 0)$
48. $x = -3, -4$
49. $x = -1, 7$
50. $t = 6$ seconds

49. Solve the quadratic equation.
 $(x - 3)^2 - 16 = 0$
 $+16 +16$
 $\sqrt{(x-3)^2} = \sqrt{16}$
 $x-3 = \pm 4$
 $+3 +3$
 $x = 3 \pm 4$
 $x = -1, 7$

50. The height of a soccer ball kicked into the air is modeled by:
 $h(t) = -t^2 + 6t$

where t is time in seconds and $h(t)$ is height in meters. At what time does the ball hit the ground after being kicked?

$h(t) = 0$
 $0 = -t^2 + 6t$
 $0 = -t(t - 6)$
 $-t = 0$ $t - 6 = 0$
 $t = 0$ $+6 +6$
 \uparrow $t = 6$ seconds
When kicked \uparrow
landed back on the ground

How would you rate your level of understanding after completing this page?
☆☆☆☆☆

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This is a great set of worksheets to use when reviewing content for the Algebra 1 end of year final exams or state tests.

You can assign them as individual worksheets or as the entire packet.

This is also perfect for homework or a **substitute-friendly** assignment!

You may also enjoy ...

END OF YEAR REVIEW TASK CARDS

Algebra I

26 Write the inequality of the graph.

15 Sara bought a new car in 2016 for \$24,230. In 2021, Sara's car was worth \$15,850. Calculate the average change for the value of Sara's car between 2016 and 2021.

3 Simplify the expression with only positive exponents.
 $(4x^{-4}y^7)^2$

31 Simplify the expression.
 $x^2(7x^3 + 5x^2 + 4x)$

40 Solve for x.
 $8x^2 + 8 = 6 - 9x$

40 Skill Based Review Task Cards

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ALGEBRA 1 SPIRAL REVIEW

End of Year Practice

ALGEBRA 1 SPIRAL REVIEW #3

Directions: Show your work for each question.

5. Solve the systems of equation by graphing.
 $y = -x + 2$
 $y = 2x - 4$

Solution:
 $\{(-3, 5), (0, 2), (4, -1), (7, 2)\}$

ALGEBRA 1 S

Directions: Show your work for each question.

1. Identify the zeros of the function.
 $f(x) = (x - 3)(x + 5)$
 $0 = (x - 3)(x + 5)$
 $x - 3 = 0 \quad x + 5 = 0$
 $+3 +3 \quad -5 -5$
 $x = 3 \quad x = -5$
Zeros: -5, 3

80 Mixed-Review Questions

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MINI ANCHOR CHARTS For Algebra I

Multiplying Polynomials

Distributive Property
 $3x^2(2x^3 - 6x^2 + 4x - 3)$
 $3x^2(2x^3) + 3x^2(-6x^2) + 3x^2(4x) + 3x^2(-3)$

Box Method
 $(3x + 1)(x^2)$
 $3x \cdot x^2 = 3x^3$
 $1 \cdot x^2 = x^2$
 $3x^3 - 6x^2$
 $3x^2$

Solving Equations Variables on Both Sides
 $5 - 2(2x - 4) = 13 - 7x$
Step 1: Distribute (if possible).
 $5 - 2(2x - 4) = 13 - 7x$
 $5 - 4x + 8 = 13 - 7x$
 $-4x + 13 = 13 - 7x$
 $+7x \quad +7x$
 $3x + 13 = 13$
 $-13 \quad -13$
 $3x = 0$
 $+3 \quad +3$
 $x = 0$

Graphing Inequalities

$y < 2x - 1$ $y > 2x - 1$

< or > means **dashed** line

$y \leq 2x - 1$ $y \geq 2x - 1$

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hey there!

My name is Malia and I'm passionate about making learning and practicing math fun. I love creating engaging math resources for my students and I hope your students enjoy this activity too!

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