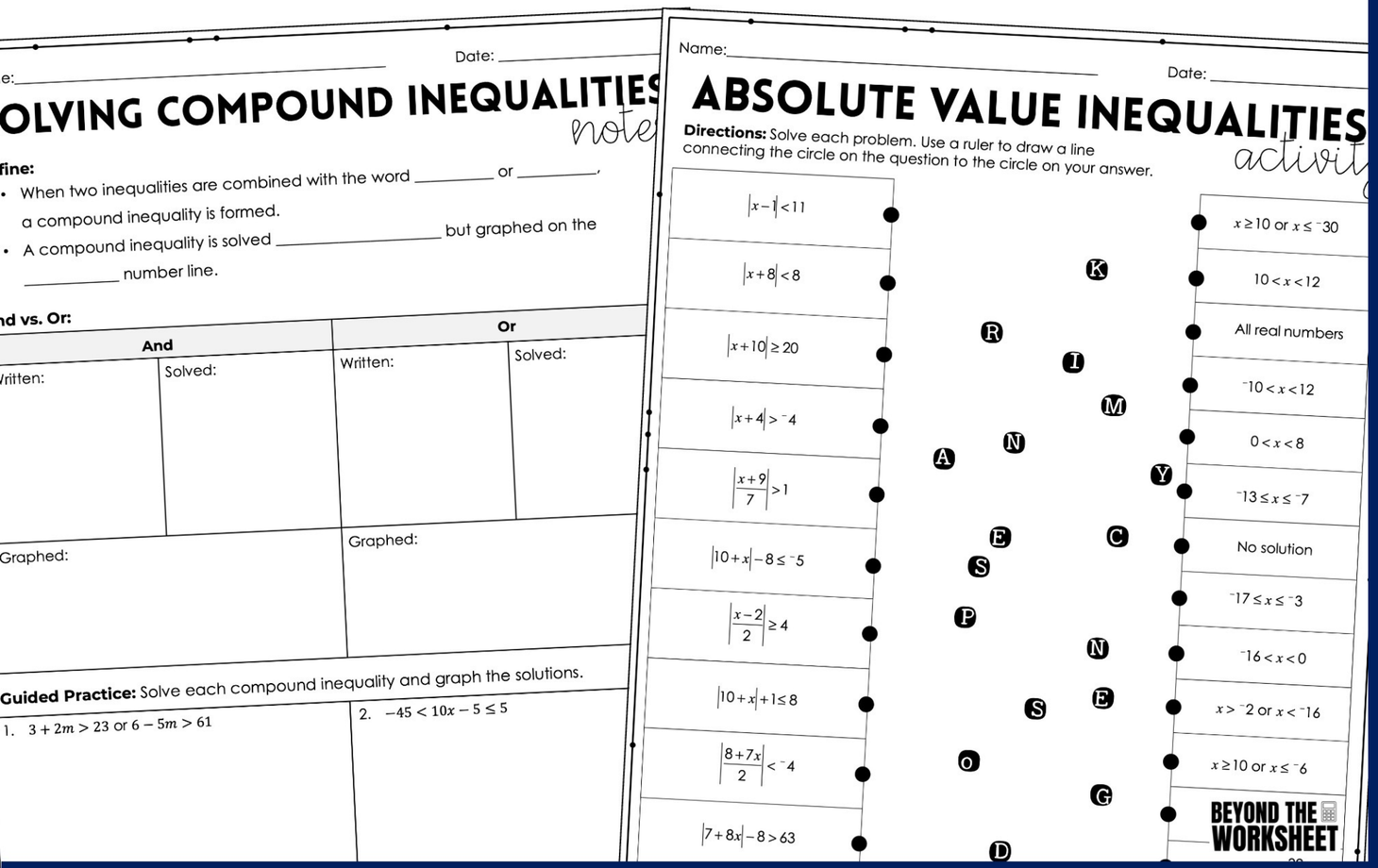
ALGEBRA 1 CURRICULUM – UNIT 3

SOLVE AND GRAPH INEQUALITIES



GUIDED NOTES, PRACTICE, ACTIVITIES, ASSESSMENTS AND MORE!

Help students develop a strong understanding of **linear inequalities** with this comprehensive Algebra 1 unit. Students begin by solving and graphing multi-step inequalities before progressing to compound inequalities, absolute value inequalities, and linear inequalities in two variables. Throughout the unit, students practice representing solution sets on number lines and coordinate planes while analyzing errors, explaining their reasoning, and distinguishing between special cases such as no solution and infinitely many solutions.

learn more!

WARM-UPS & EXIT TICKETS

- Structured and spiraled daily warm-up exercises and exercises keep students engaged and focused.

Name:
Date:

warm up

Lesson 1: Solving Multi-Step Inequalities

Skill: Solving Multi-Step Equations

1. $324 = 6(6p + 6)$
2. $-6m - 5(4m + 3) = -223$
3. $-20 - 4x = 7(-4 + 5x) + 8$
4. $-6 + 5n = -(4n + 8)$

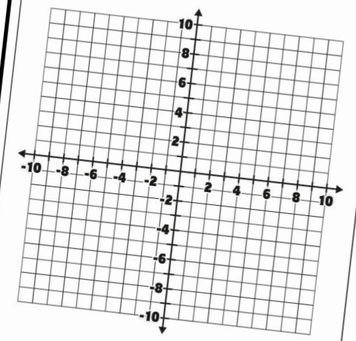
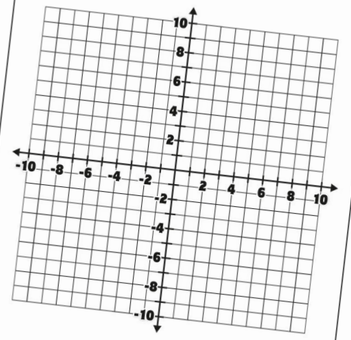
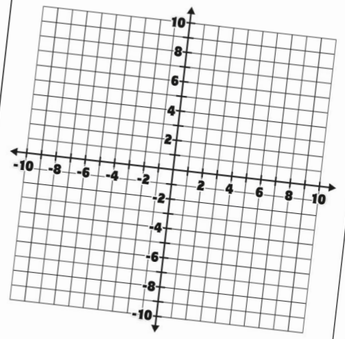
Name:
Date:

warm up

Lesson 4: Graphing Two Variable Inequalities

Skill: Graphing Two Variable Inequalities

1. $y > -\frac{1}{2}x + 4$
2. $x < -5$
3. $y \geq \frac{4}{3}x - 4$

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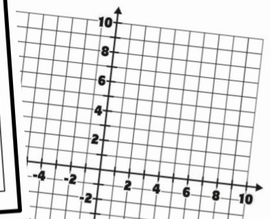
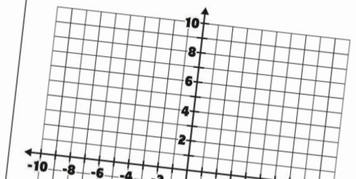
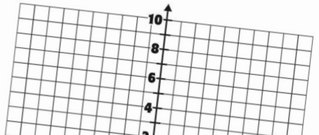
warm up

esson 4: Graphing Two Variable Inequalities

Skill: Graphing Two Variable Inequalities

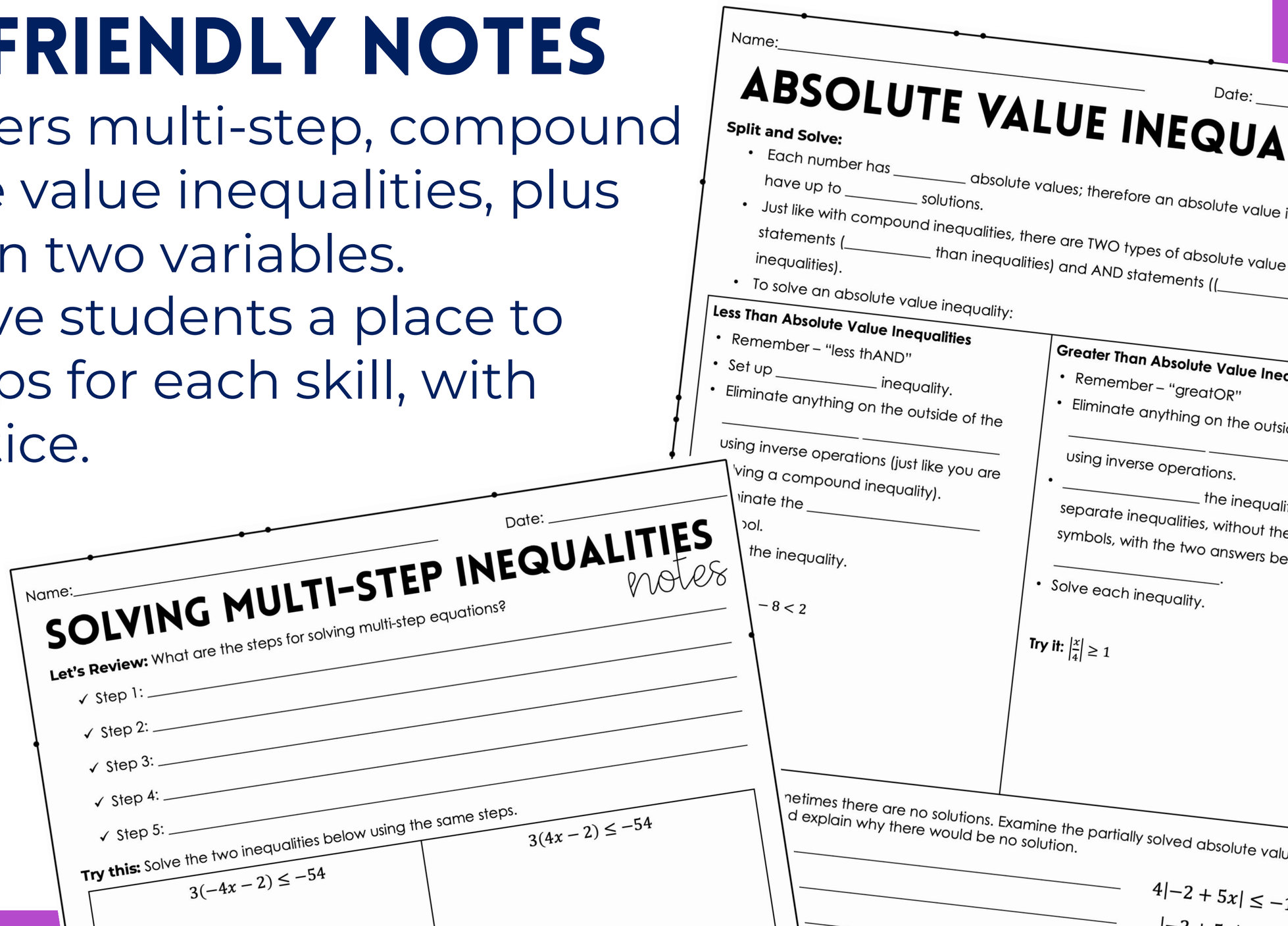
$-y > -4$

2. $-3x + y \leq -2$
3. $x + 5y < 15$

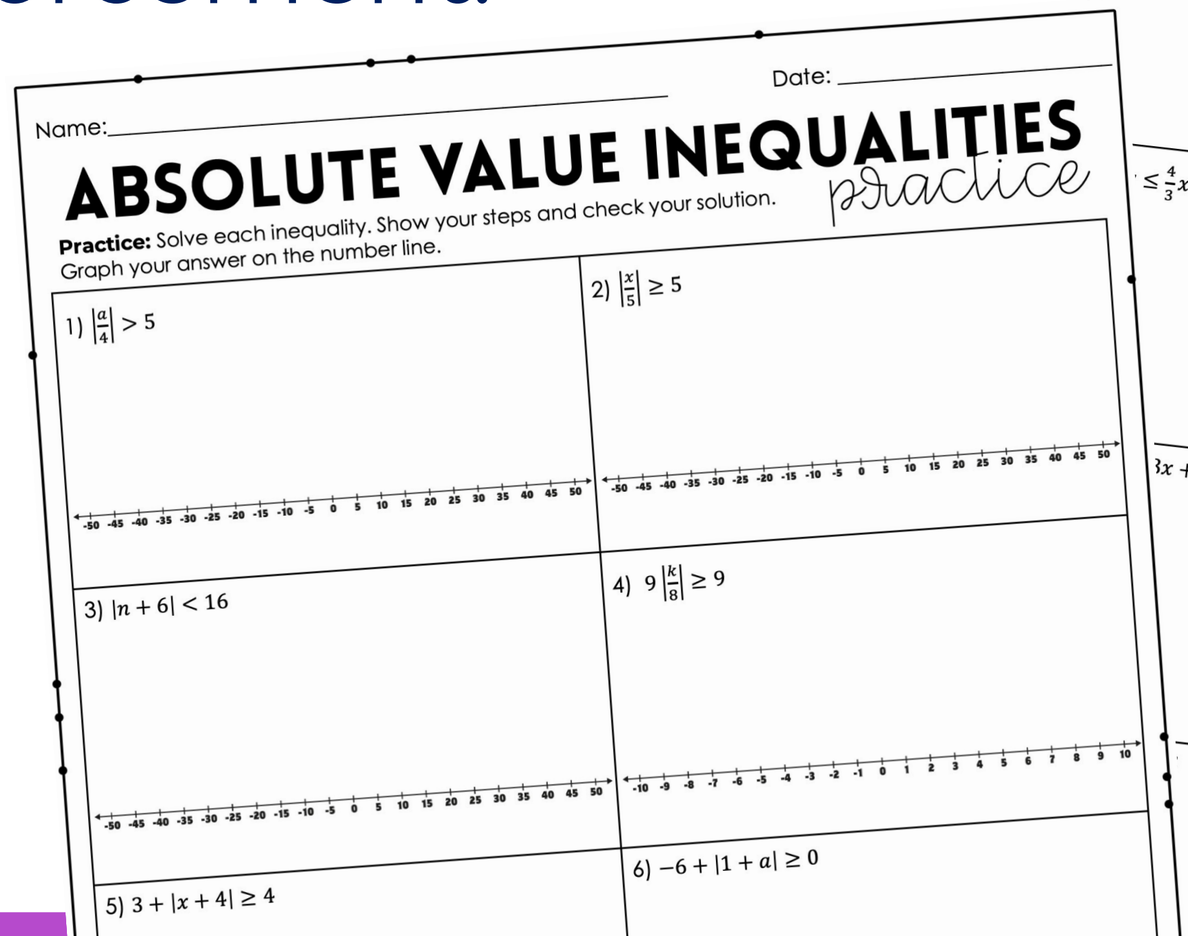
STUDENT FRIENDLY NOTES

- This unit covers multi-step, compound and absolute value inequalities, plus inequalities in two variables.
- The notes give students a place to learn the steps for each skill, with guided practice.



PRACTICE WORKSHEETS

- Each skill includes a worksheet for independent practice and skill reinforcement.


Name: Date:

ABSOLUTE VALUE INEQUALITIES practice

Practice: Solve each inequality. Show your steps and check your solution. Graph your answer on the number line.

1) $\left|\frac{a}{4}\right| > 5$

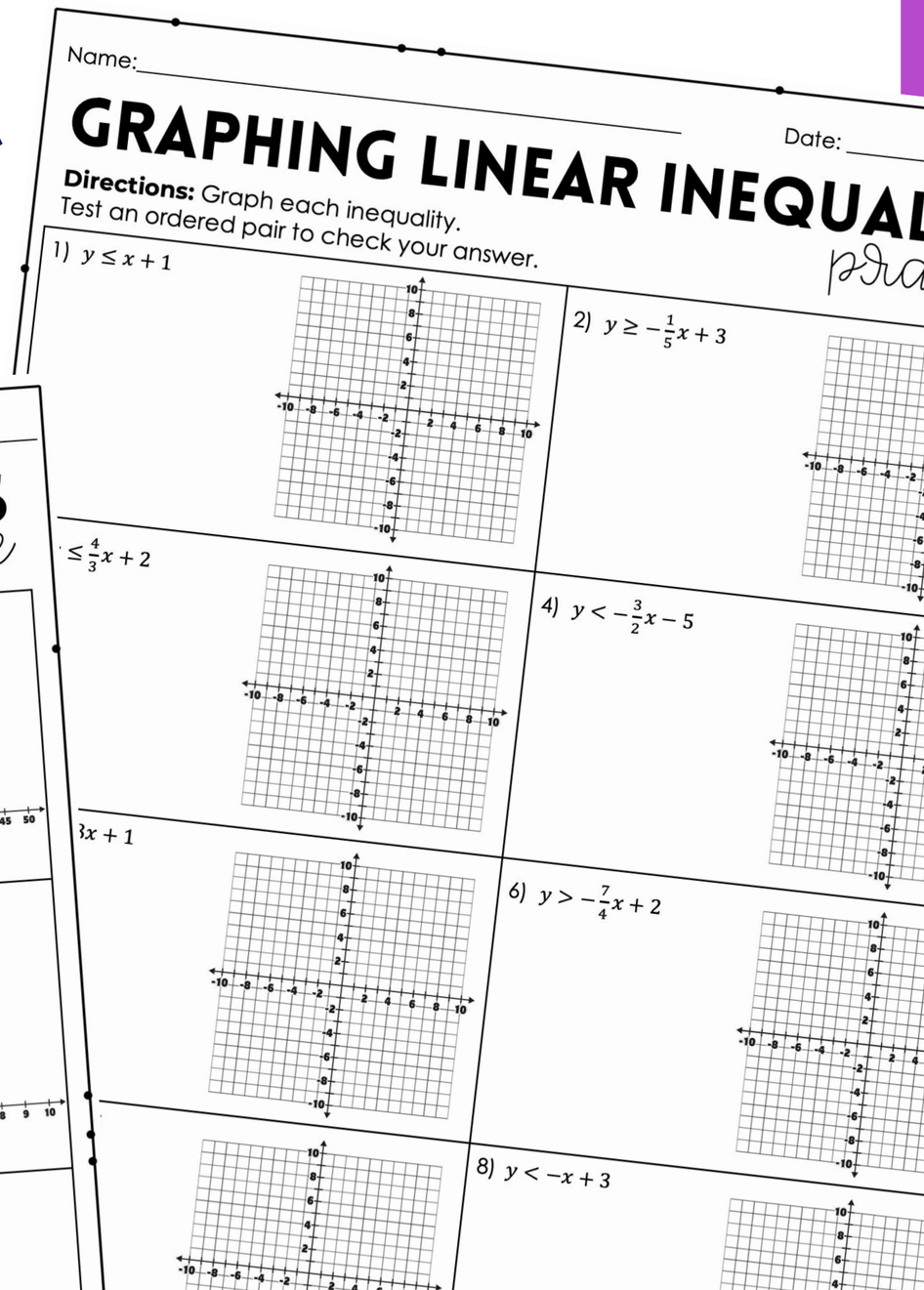
2) $\left|\frac{x}{5}\right| \geq 5$

3) $|n + 6| < 16$

4) $9\left|\frac{k}{8}\right| \geq 9$

5) $3 + |x + 4| \geq 4$

6) $-6 + |1 + a| \geq 0$


Name: Date:

GRAPHING LINEAR INEQUAL practice

Directions: Graph each inequality. Test an ordered pair to check your answer.

1) $y \leq x + 1$

2) $y \geq -\frac{1}{5}x + 3$

$\leq \frac{4}{3}x + 2$

4) $y < -\frac{3}{2}x - 5$

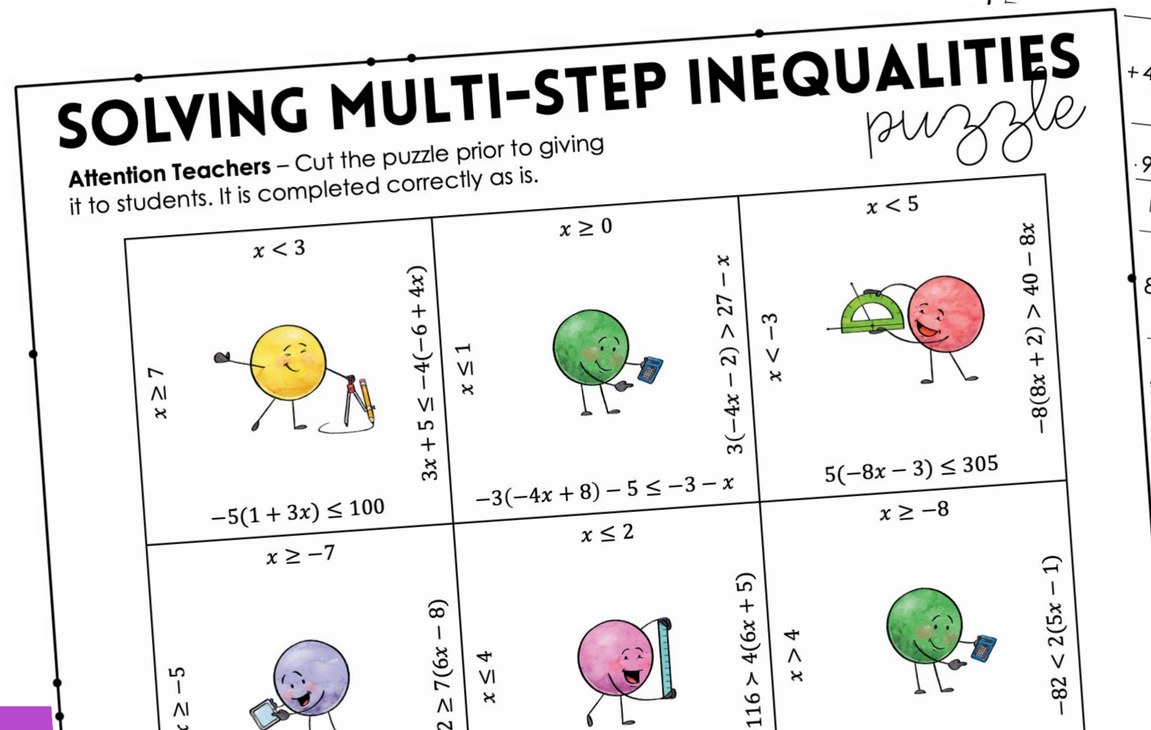
$3x + 1$

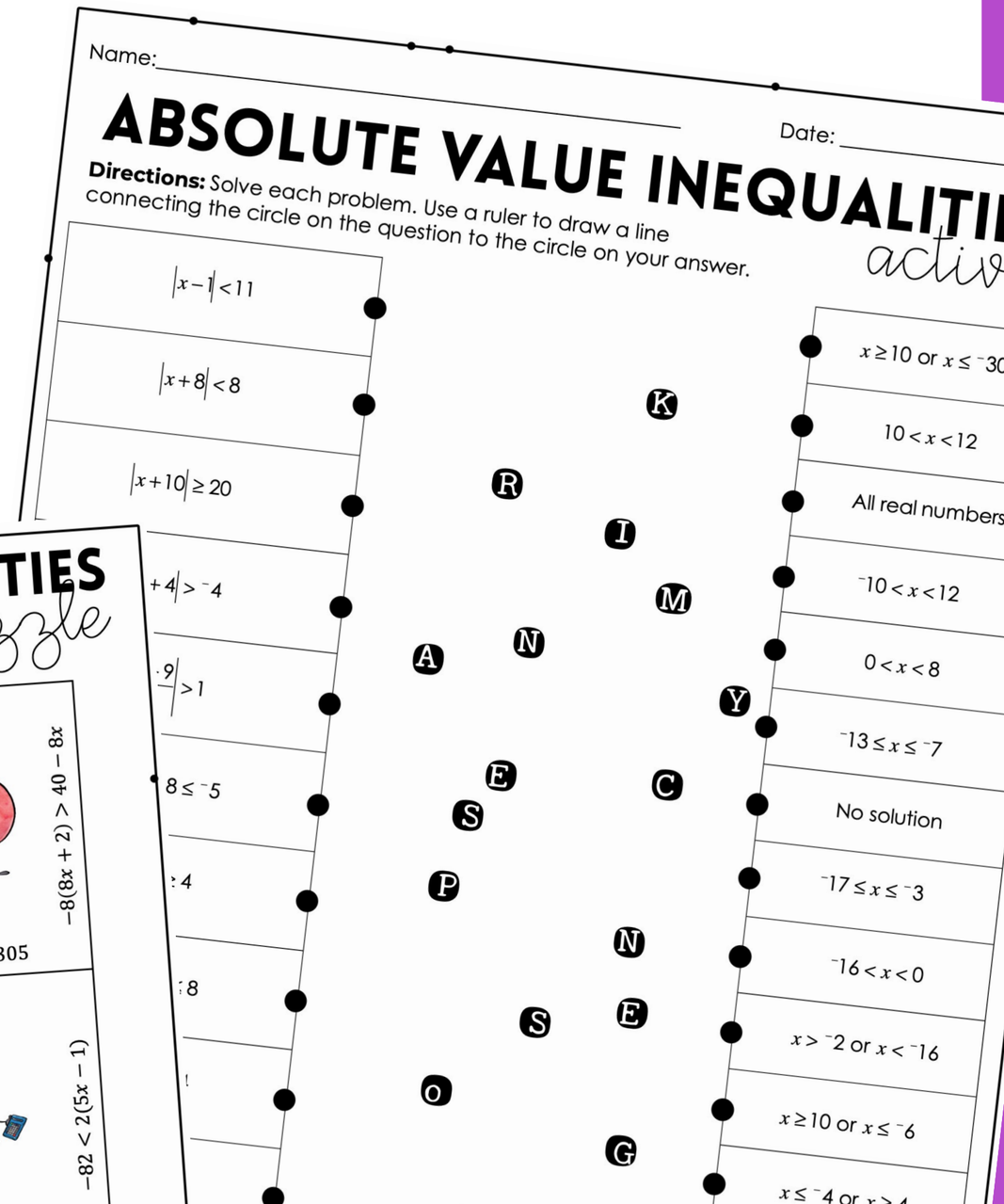
6) $y > -\frac{7}{4}x + 2$

8) $y < -x + 3$

ACTIVITIES AND ASSESSMENTS

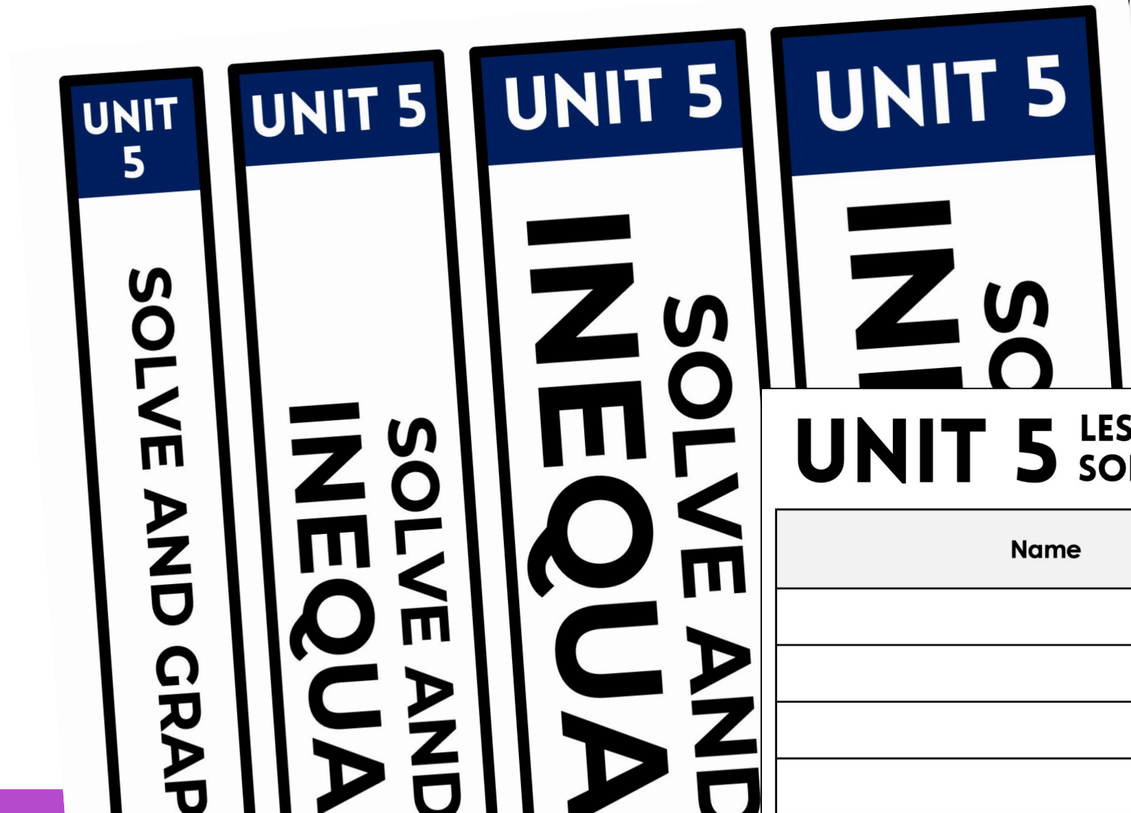
- Each lesson includes an activity such as a maze, coloring pages, etc.
- Pre and Post-Assessments are included along with quizzes.

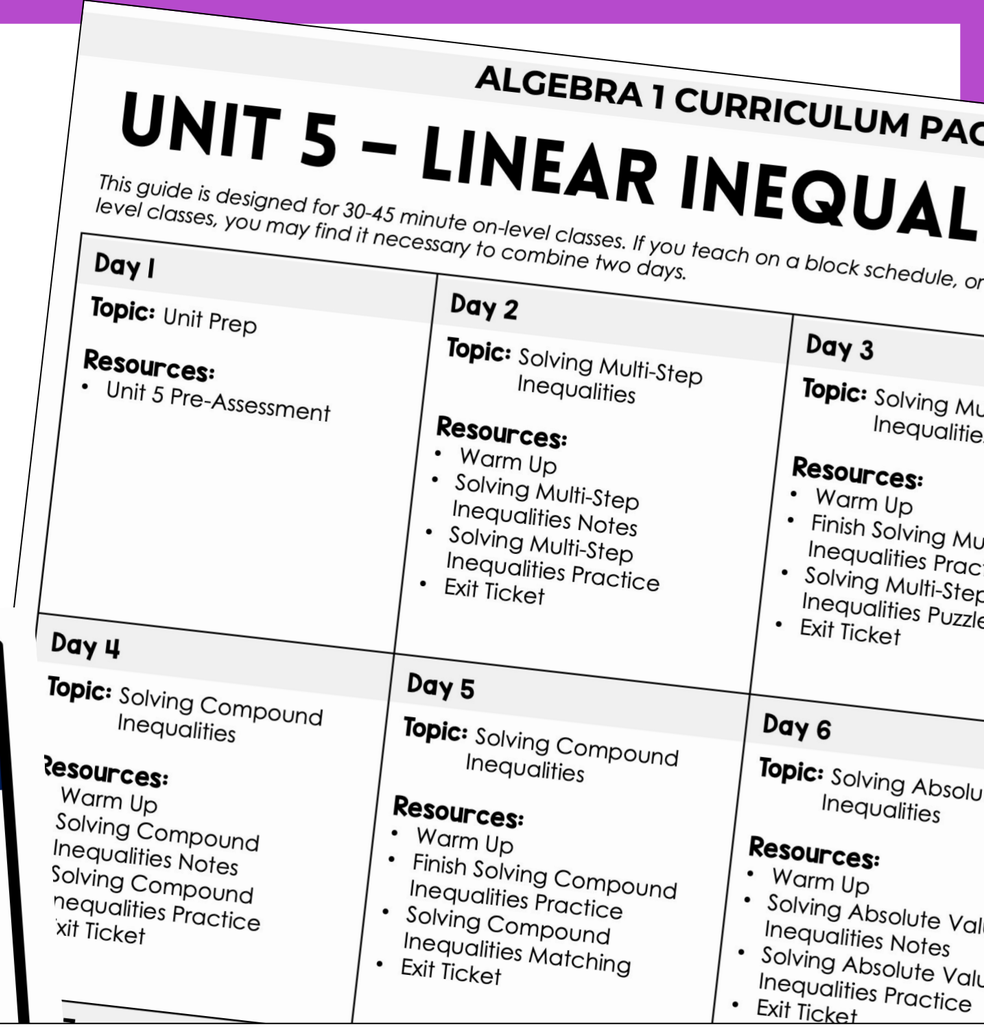


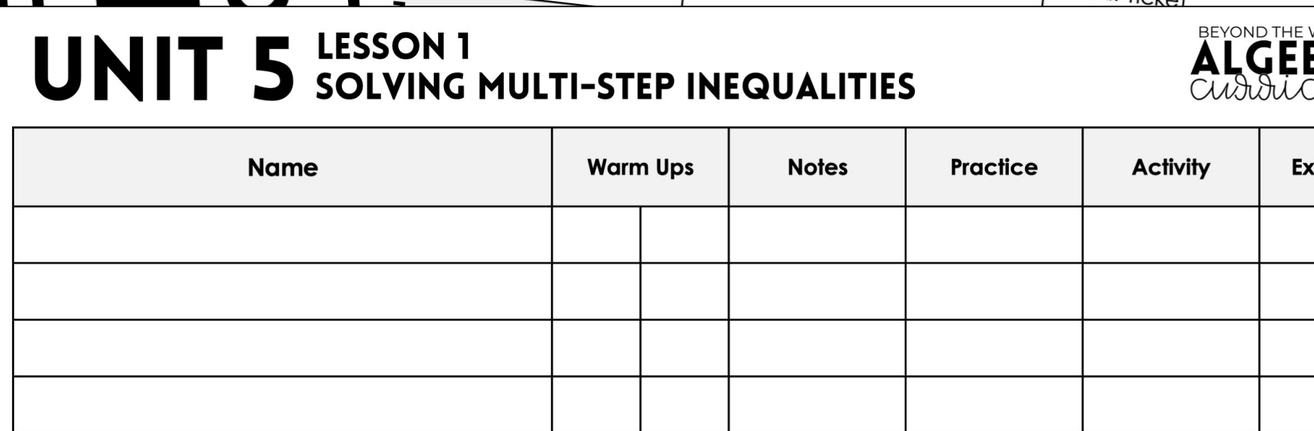


TEACHER RESOURCES

- Pacing guide
- Tracking pages
- Lesson info sheets
- Binder covers and spine labels







EVERYTHING INCLUDED:

- Lessons are designed for 30-45 minute on-level classes and may need to be adjusted for longer classes or varied levels.
- Also includes an answer key and editable version.

UNIT 5

ALGEBRA 1 curriculum
BEYOND THE WORKSHEET

Linear Inequalities	
Lesson	**Resources**
Unit Prep (pgs. 3 – 9)	• Weekly Warm Up Sheet • Exit Tickets • Lesson Plan Template • Vocabulary Sheets • Pre-Assessment
(1) Solving Multi-Step Inequalities (pgs. 10 – 16)	• Two Warm-Ups • Solving Multi-Step Inequalities Notes • Solving Multi-Step Inequalities Practice Worksheet • Solving Multi-Step Inequalities Puzzle • Two Exit Tickets
(2) Solving Compound Inequalities (pgs. 17 – 21)	• Two Warm-Ups • Solving Compound Inequalities Notes • Solving Compound Inequalities Practice Worksheet • Solving Compound Inequalities Matching (In Supplemental Folder) • Two Exit Tickets
(3) Solving Absolute Value Inequalities (pgs. 22 – 27)	• Two Warm-Ups • Solving Absolute Value Inequalities Notes • Solving Absolute Value Inequalities Practice Worksheet • Solving Absolute Value Inequalities Activity • Two Exit Tickets
(4) Graphing Inequalities (pgs. 28 – 32)	• Two Warm-Ups • Graphing Inequalities Notes • Graphing Inequalities Practice Worksheet • Graphing Inequalities Scavenger Hunt (In Supplemental Folder) • Two Exit Tickets
End of Unit (pgs. 33 – 36)	• Study Guide • Inequalities Stations (In Supplemental Folder) • Unit Exam

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Have questions?

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