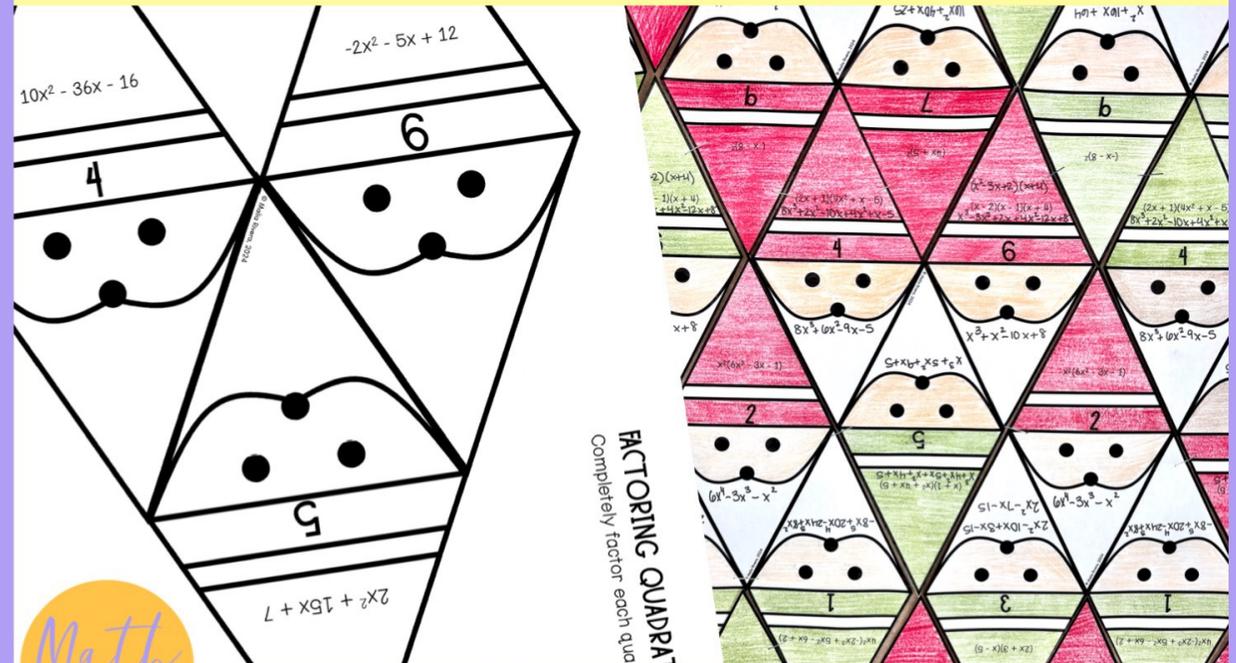


keep scrolling to  
get a sneak peek!

If you're looking for a new way to get your students practicing math, this is the resource for you! With this **factoring** collaborative activity, students will practice factoring quadratic expressions on tessellation piece. Assembling all the students' pieces creates one large holiday tessellation to display on your classroom bulletin board.

# FACTORING QUADRATIC TRINOMIALS

collaborative Tessellation

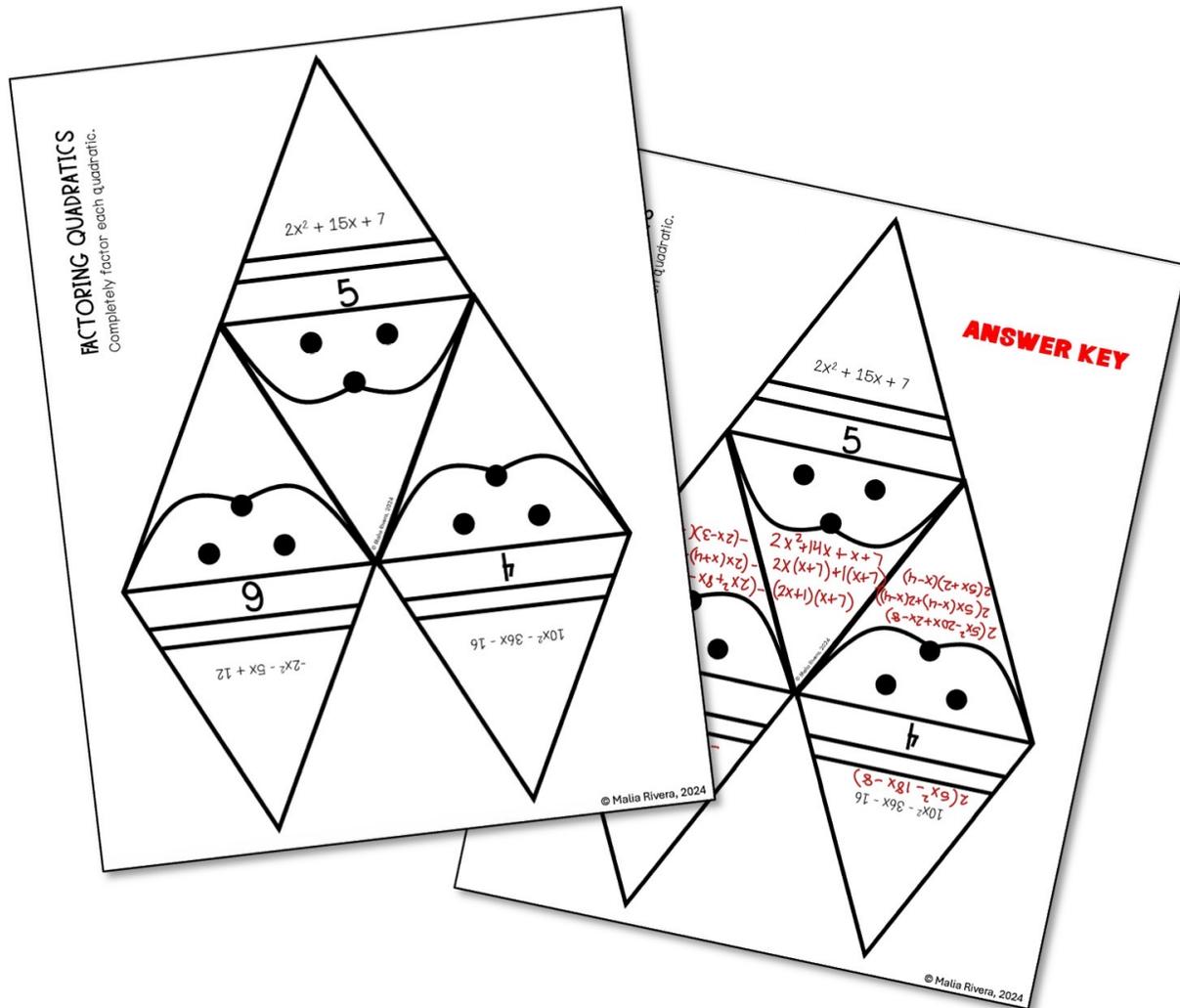


Christmas Santa bulletin board

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# Factoring Quadratics Collaborative Tessellation *includes:*



- ✓ 3 blank tessellation pages per student
- ✓ 9 questions total
- ✓ an answer key
- ✓ teacher instructions

# Factoring Quadratics Collaborative Tesselation

standards covered:

**CCSS:** HSA.SSE.B.3.a

**TEKs:** A1.10.E

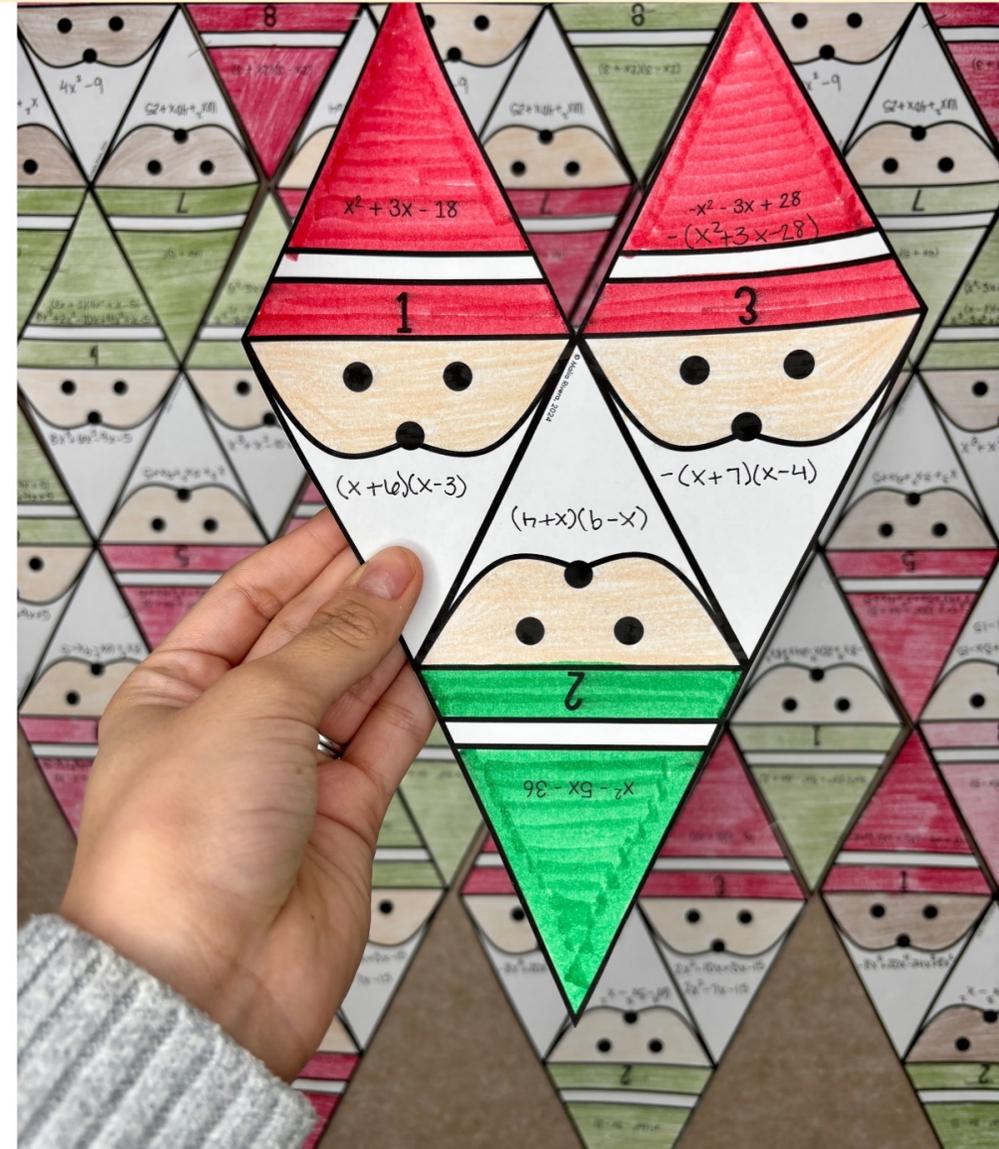
**VA SOLs:** EO.A.2.c



# Factoring Quadratics Collaborative Tesselation

skills included:

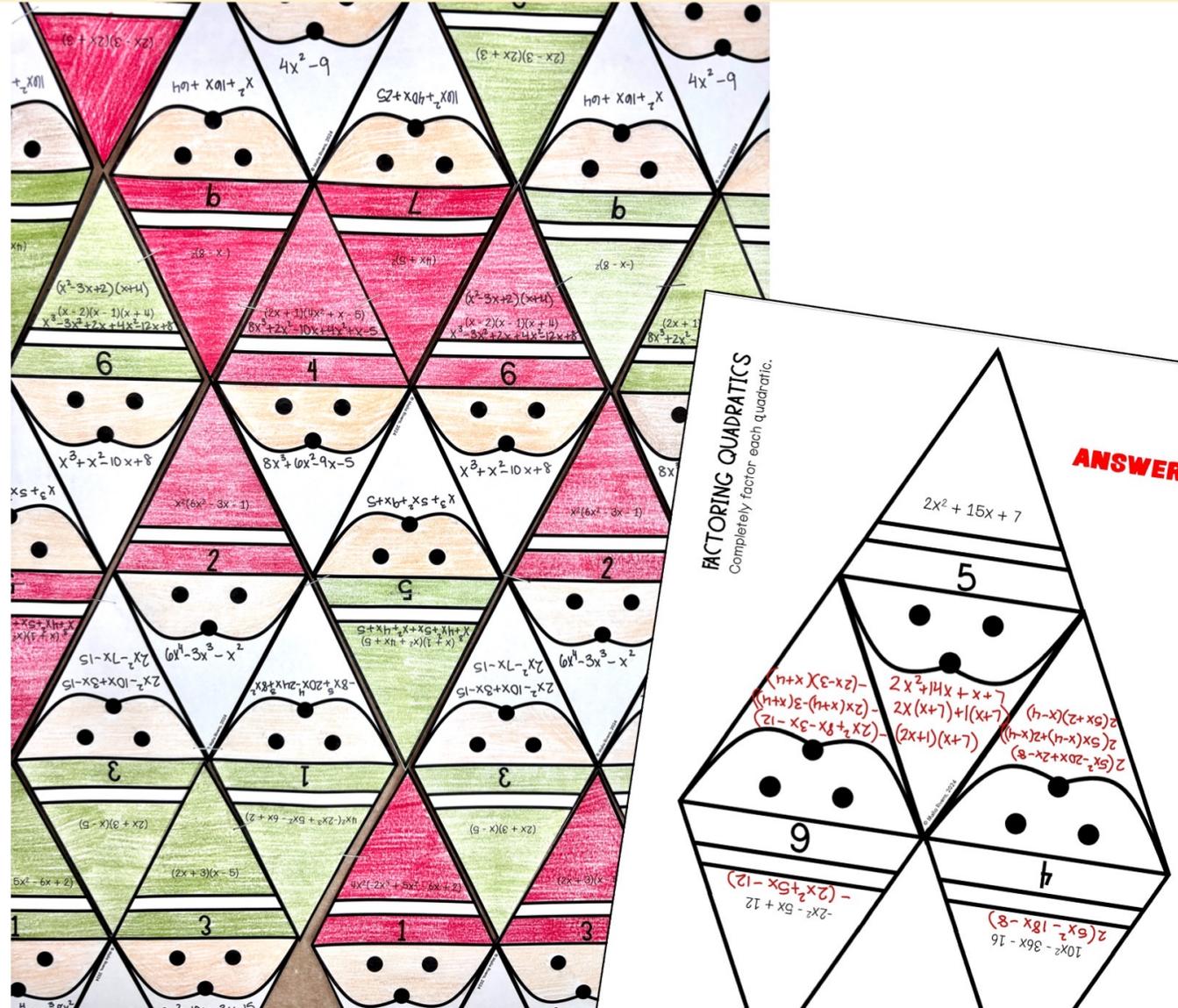
- Factoring trinomials
- $A = 1$
- Factoring out GCF
- $A$  is not 1
- Special Products



# Factoring Quadratics Collaborative Tesselation

Once all the student pieces are finished, it will create one large, holiday tesselation bulletin board display.

Students, Teachers, Staff and Parents will love looking at the holiday display of your students' work on your classroom wall!



# how to use this resource



- Print or make copies - I print on white so my students can decorate each piece how they want.
- Students will answer the questions on each Santa (3 per page)
- Collect all the students' pieces & put it up on the bulletin board to create one big, festive Santa design

You may also enjoy ...

# FACTORING TRINOMIALS A=1

Choice Board

Factoring Trinomials a = 1

Directions: Choose \_\_\_\_\_ problems from each column. Show your work in the blank space.

$x^2 + 14x + 40$	$x^2 + 5x + 6$	$x^2 + 20x + 100$	$x^2 + 14x + 40$
$x^2 + 10x - 56$	$x^2 + 9x + 14$	$x^2 + 8x - 33$	$x^2 + 10x - 56$
$x^2 - 12x + 35$	$x^2 + 11x - 12$	$x^2 - 14x + 45$	$x^2 - 12x + 35$

ANSWER KEY

Factoring Trinomials a = 1

Directions: Choose \_\_\_\_\_ problems from each column. Show your work in the blank space.

$(x+10)(x+10)$ or $(x+10)^2$	$(x+10)(x+4)$
$(x+11)(x-3)$	$(x+4)(x-4)$
$(x-9)(x-5)$	$(x-7)(x-5)$

Math with Ms. Rivera

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# FACTORING TRINOMIALS A NOT 1

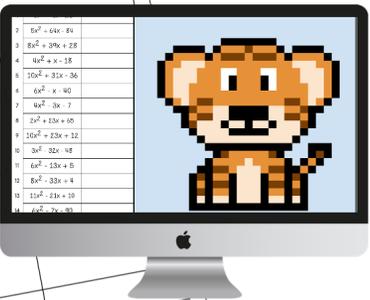
Digital & Print Activity Pack

3 Activities

Factoring Quadratics Cut & Paste Activity

Directions: Cut out the answer from the next page and paste it under the corresponding problem.

1. $25x^2 + 140x + 160$	2. $7x^2 + 57x - 54$	3. $3x^2 - x - 30$	4. $25x^2 + 140x + 160$
5. $6x^2 + 31x - 36$	6. $3x^2 - 20x + 12$	7. $5x^2 - 14x + 8$	8. $2x^2 + 13x + 15$
9. $4x^2 + 3x - 7$	10. $3x^2 - 32x + 48$	11. $30x^2 + 72x + 24$	12. $6x^2 - 13x + 5$
13. $8x^2 - 33x + 4$	14. $11x^2 - 21x + 10$	15. $2x^2 - 7x + 3$	16. $2x^2 - 7x + 3$



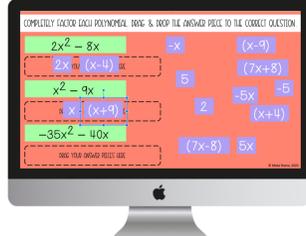
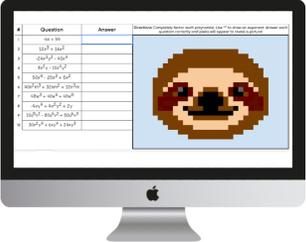
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# FACTORING

Digital Activity Bundle

Algebra



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# Free Algebra Activities!

When you join my email list, I'll send you a free Algebra print & digital self-checking activities. There is an Algebra 1 and Algebra 2 version!

You'll also be getting exclusive freebies and content to help your Algebra students be successful this school year!

check it out!

**Answer Key**  
Name: \_\_\_\_\_ Date: \_\_\_\_\_  
**ADDING & SUBTRACTING RATIONAL EXPRESSIONS**  
Directions: Add or subtract the rational expressions. Show your work.

**Solving Systems of Equations**  
Date: \_\_\_\_\_  
Solve systems of equations using substitution or elimination. Check your solution.  
2.  $2x - 6y = -18$   
 $x = 3y - 9$   
4.  $2x + 6y = -1$   
 $y = -2x + 3$

**Answer Key**  
Solving Systems of Equations  
Date: \_\_\_\_\_  
Solve systems of equations using substitution or elimination. Check your solution.  
2.  $2x - 6y = -18$   
 $x = 3y - 9$   
 $2(3y - 9) - 4y = -18$   
 $6y - 18 - 4y = -18$   
 $-18 = -18$   
infinitely many solutions  
 $y = 2 + 5$   
 $y = 7$   
 $(2, 7)$

**Multiplying & Dividing Rational Expressions**  
Date: \_\_\_\_\_  
Directions: Multiply or divide the rational expressions. Show your work.

**Rational Expression Operations - Addition & Subtraction**  
Directions: Answer each question and type the question number with the matching answer in the answer column to the right.

#	Question	Answer	Type the matching question numbers here
1	$\frac{5}{x} + \frac{3}{x+1}$	$\frac{2x+1}{x+2}$	
2	$\frac{2}{x+4} - \frac{x^2}{x^2-16}$	$-\frac{1}{x^2-1}$	
3	$\frac{x+2}{x^2+4x+4} + \frac{2x}{x+2}$	$\frac{2x^2+2x+5}{x^2+x-2}$	
4	$\frac{x}{x-2} + \frac{3}{x-1}$	$-\frac{x^2+2x-8}{x^2-16}$	
5	$\frac{x}{4x+8} - \frac{1}{x^2+2x}$	$\frac{8x+5}{x^2+1}$	
6	$\frac{x+2}{x-1} + \frac{x-1}{x+2}$	$\frac{x^2-3x+7}{x^2-4}$	
7	$\frac{2x+1}{x^2-4} + \frac{x-3}{x+2}$	$\frac{x^2+2x-6}{x^2-3x+2}$	
8	$\frac{x^2+2x}{x^2-1} - \frac{x+1}{x-1}$	$\frac{x-2}{4x}$	

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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 these too!

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