keep scrolling to get a sneak peek!

Help your Algebra students review quadratic function skills with these March Mathness review stations! Students will be eager to get the self-checking & student choice benefits from these activities!

QUADRATIC FUNCTIONS REVIEW

March Math-ness Stations

STATION 2: DRIBBLE, DRIBBLE, SHOOT!

Directions: Start with any question you'd like and answer it. Once you find the answer, then write the letter in the long box below.

1. What is the vertex of $y = x^2 - 4x + 3$?

2. What is the axis of symmetry of $y = 2(x - 1)^2 - 5$?

3. What way does the graph open for $y = -3(x + 2)^2 + 7$?

4. What is the y-intercept of $y = x^2 - 8x + 7$?

5. What is the vertex of $y = -x^2 + 10x$?

6. What is the y-intercept of $y = -5x^2 + 20x - 7$?

up
$x = -1$
S
O
C
P
$x = $
(0, 7)
(7, 0)

STATION 3: FULL COURT GRAPH

Directions: Graph each given function. Record the letter of the basketball that passes through.

1. $y = x^2 - 4x + 3$

2. $y = 2(x - 1)^2 - 4$

3.

4. $y = -x^2 - 6x - 8$

8
Solve the quadratic equation by factoring.
$4x^2 - x - 5$

2
Solve the quadratic equation by the quadratic formula.
$2x^2 + 3x - 5 = $

4
Solve the quadratic equation by square roots.
$x^2 - 52 = -3$

4 stations activities + answer keys

Math with Ms. Rivera

Quadratic Function Review Stations

why do you need this?

🖊️ There are a variety of activities that cover several topics.

🖊️ Help your students practice these essential math skills.

🖊️ The activities have self-checking components so students can receive feedback!

Quadratic Function March Mathness Review Stations *includes*:
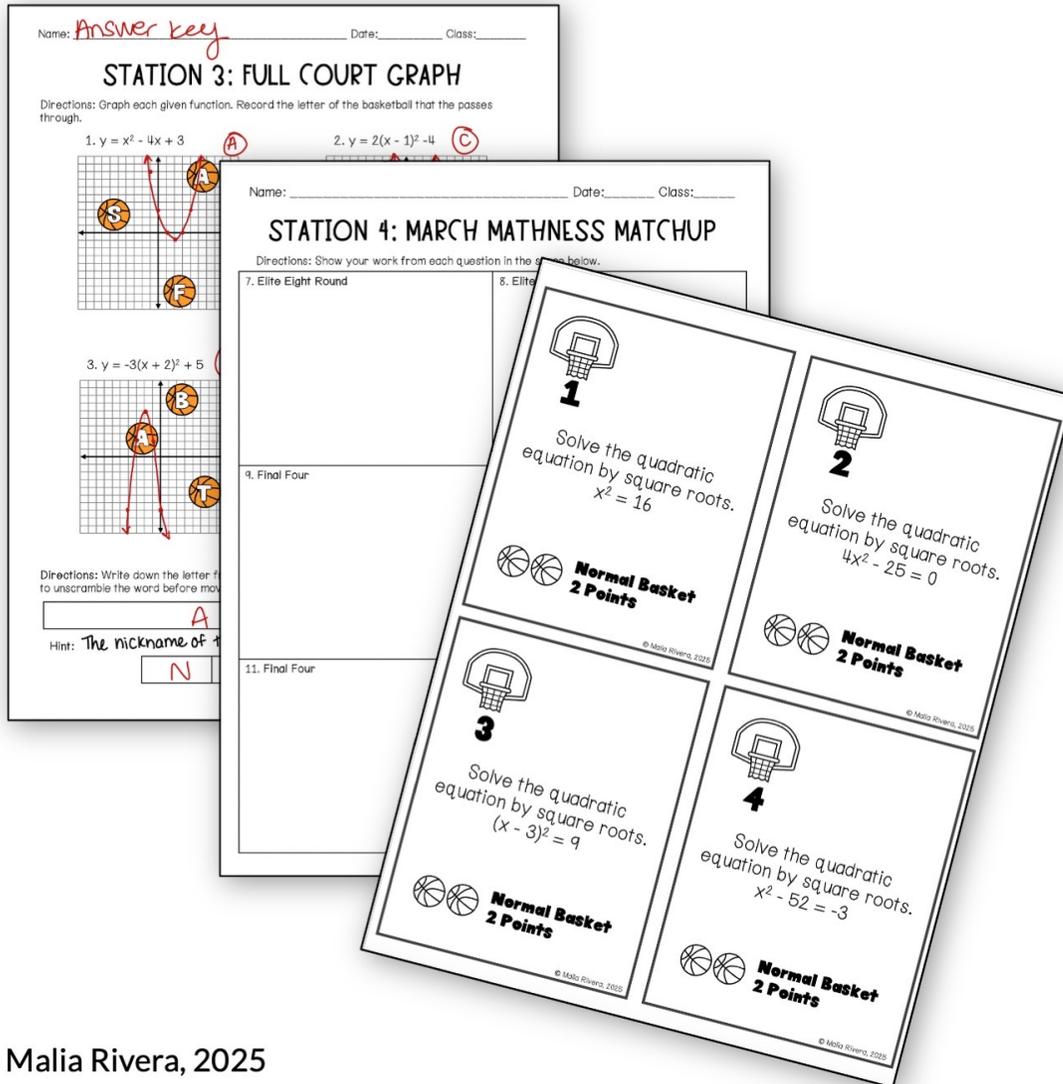
✅ 4 printable station activities

✅ answer keys

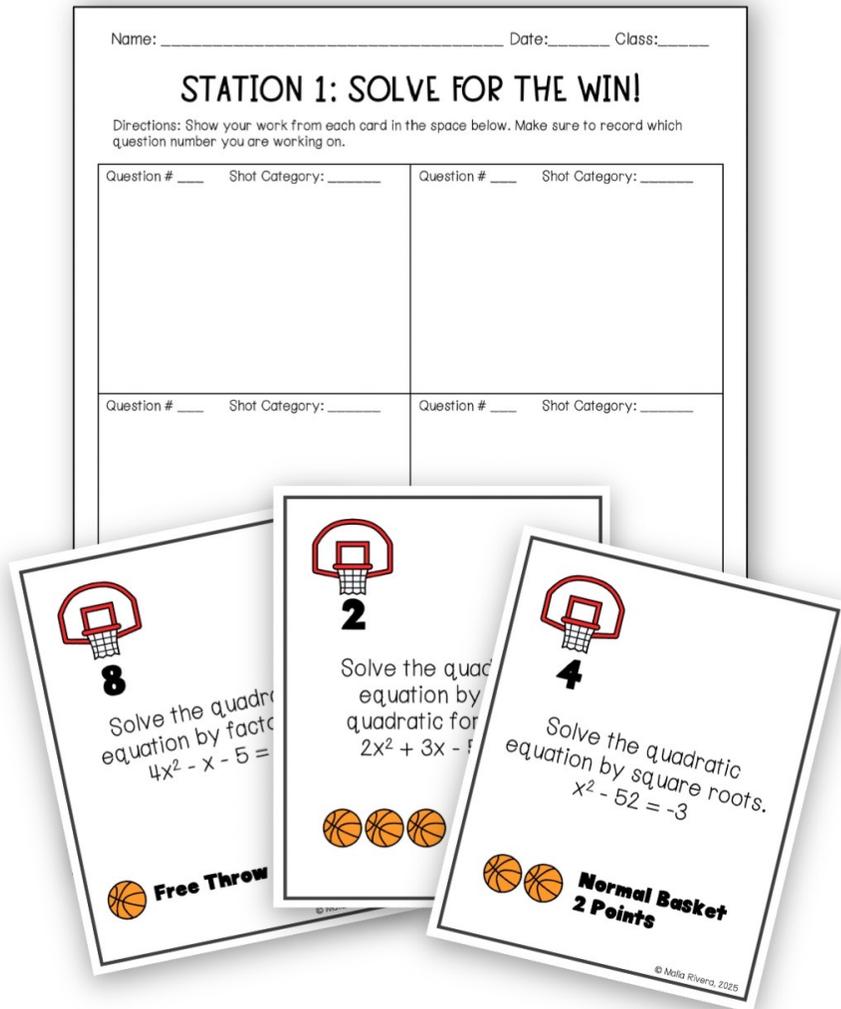✅ teacher & student directions

✅ color & printer-friendly versions

Name: _____ Date:_____ Class:_____

STATION 1: SOLVE FOR THE WIN!

Directions: Show your work from each card in the space below. Make sure to record which question number you are working on.

Question # ____ Shot Category: _____	Question # ____ Shot Category: _____
Question # ____ Shot Category: _____	Question # ____ Shot Category: _____

8

Solve the quadratic equation by factoring. $4x^2 - x - 5 =$

Free Throw

2

Solve the quadratic equation by quadratic for... $2x^2 + 3x -$

4

Solve the quadratic equation by square roots. $x^2 - 52 = -3$

Normal Basket 2 Points

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Skill: Solving Quadratic Equations
(*by factoring, square roots & quadratic formula*)

Students are required to answer 2 questions from each of the 3 shot types. Then they can chose whatever other questions they want to answer to get at least 24 points.

Includes:
- 24 total task cards, 8 questions per shot type (*free throw, normal basket, 3-pointer*)
- Recording sheets
- Detailed answer key

Skill: Characteristics of Quadratic Functions
(Axis of Symmetry, Vertex, Max/Min, etc.)

Students will answer the basketball question and match it to the correct answer hoop. Then they will record the letters under the hoop in the box at the bottom. Given the hint, students will unscramble the letters to reveal a secret word.

Includes:
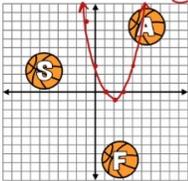- 8 questions
- Recording sheet
- Detailed answer key
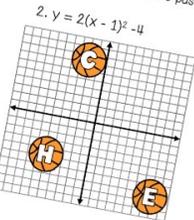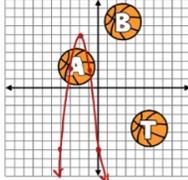
Skill: Graphing Quadratic Functions

Given the quadratic function, students will graph it on the coordinate plane. Their graph will go through one of the letter basketballs. If it goes through a letter, they will record it. At the end, using the hint, students will unscramble the letters to reveal a mystery word.

Includes:
- 4 questions
- Detailed answer key

Skill: Factoring Quadratics

Given the quadratic expressions, students will completely factor. An answer key is included so they can check their answers before moving on to the next round.

Includes:
- 14 questions
- Recording sheet
- Detailed answer key

Rational Functions Review Stations

standards covered:

CCSS: HSA-REI.B.4ab, HSA-SSE.B.3a, HSF-IF.C.7a, HSF-IF.C.8a

TEKs: A1.7.A, A1.7.B, A1.8.A, A2.4.F

VA SOLs: EO.A.2.c, EI.A.4.b, EI.A.6.c, F.A.7.d

STATION 4: MARCH MATHNESS MATCH UP

Directions:
In this station, you will answer problems in each round of the bracket. If you get the answer incorrect, you must go back and try again. Once you get all the questions correct in that round, you can move on to the next round.

Instructions:
- Start by answering the questions in the Elite Eight round. Make sure to show your work.
- Check each answer before moving on to the next round. If there are incorrect answers, go back and try again.
- Once every question in the round is complete & correct, you can move on to the next round.

2
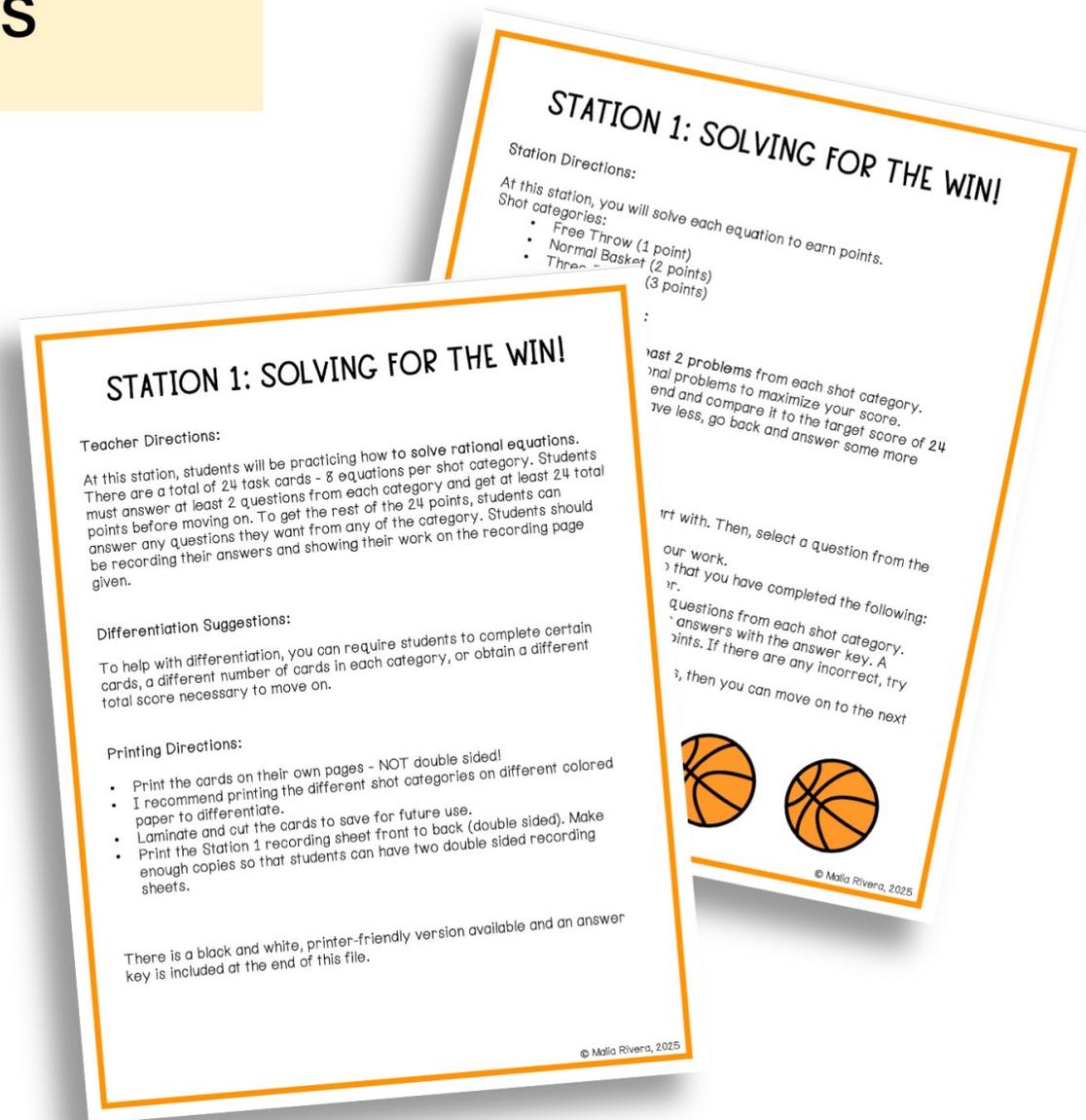Solve the quadratic equation by the quadratic formula.
$2x^2 + 3x - 5$

8
Solve the quadratic equation by factoring.
$4x^2 - x - 5 = 0$

Free Throw - 1 point

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March Mathness Review Stations

Teacher and printing directions included. Student directions to be printed at each station are also included!

STATION 1: SOLVING FOR THE WIN!

Station Directions:

At this station, you will solve each equation to earn points.
Shot categories:
- Free Throw (1 point)
- Normal Basket (2 points)
- Three _____ (3 points)

...ast 2 problems from each shot category.
...nal problems to maximize your score. of 24
...end and compare it to the target score of
...ve less, go back and answer some more

...rt with. Then, select a question from the

...our work.
...o that you have completed the following:

...questions from each shot category.
... answers with the answer key. A
...points. If there are any incorrect, try
...r.
..., then you can move on to the next

STATION 1: SOLVING FOR THE WIN!

Teacher Directions:

At this station, students will be practicing how to solve rational equations. Students There are a total of 24 task cards - 8 equations per shot category and get at least 24 total must answer at least 2 questions from each category. To get the rest of the 24 points, students can points before moving on. answer any questions they want from any of the category. Students should be recording their answers and showing their work on the recording page given.

Differentiation Suggestions:

To help with differentiation, you can require students to complete certain cards, a different number of cards in each category, or obtain a different total score necessary to move on.

Printing Directions:

- Print the cards on their own pages – NOT double sided!
- I recommend printing the different shot categories on different colored paper to differentiate.
- Laminate and cut the cards to save for future use.
- Print the Station 1 recording sheet front to back (double sided). Make enough copies so that students can have two double sided recording sheets.

There is a black and white, printer-friendly version available and an answer key is included at the end of this file.

how to use this resource

This is a great activity to use when reviewing for an end of unit assessment on **quadratic functions** or as an end of year review.

These stations are also a **substitute-friendly** assignment!

You may also *enjoy* ...

FINDING THE VERTEX
Color by Number Worksheet

Answer key included

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Digital & Print Activity Pack

3 Activities

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QUADRATICS
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hey there!

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